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National Technical Information Service
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Chesapeake Bay Baseline Data Acquisition Hydrologic Modifications Appendix VIII

Chesapeake Research Consortium, Inc, Annapolis, MD

Prepared for

Environmental Protection Agency, Philadelphia, PA Chesapeake Bay Program

Sep 78

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16. ABSTRACT

This report identifies researchers conducting current research programs relating to hydrologic modifications in the Chesapeake Bay estuarine system. The data files included in this report are compiled from the Environmental Data Base Directory and reflects data applicable to hydrologic modifications from 1973 to the present.

The report also identifies the major past, present, or planned monitoring efforts.

The data will aid in the design of future research and monitoring efforts for the Chesapeake Bay.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
HYDROLOGY MONITORS RESEARCH DIRECTORIES	Chesapeake Bay	

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APPENDIX VIII

HYDROLOGIC MODIFICATIONS

A Report
under EPA Contract No. 68-01-3994

September 1978

Chesapeake Research Consortium, Incorporated

prepared by

University of Maryland,
Center for Environmental and Estuarine Studies

and

Virginia Institute of Marine Science

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University of Maryland
Smithsonian Institution
Virginia Institute of Marine Science

CRC

CHESAPEAKE BAY BASELINE DATA ACQUISITION

HYDROLOGIC MODIFICATIONS

Contract No. 68-01-3994

between

U. S. Environmental Protection Agency

and

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1<

-2-

CONTENTS

Introduction 4

Annex I. Directory of Researchers 6p

Annex II. Data Files 163p

Part A. Data Files 153p

Introduction 3

EDBD Files 6

Part B. Data File Index - Listed by Word 154

Annex III. Monitoring Programs 18p

INTRODUCTION

This report forms one of several appendices which are the body of the Chesapeake Bay Baseline Data Acquisition Final Report. These appendices are as follows:

Appendix I. A Chesapeake Bay Directory

Appendix II. Submerged Aquatic Vegetation

Appendix III. Toxics in the Chesapeake Bay

Appendix IV. Eutrophication

Appendix V. Shellfish Bed Closures

Appendix VI. Dredging and Spoil Disposal

Appendix VII. Modification of Fisheries

Appendix VIII. Hydrologic Modifications

Appendix IX. Wetlands Alteration

Appendix X. Effects of Boating and Shipping on Water Quality

Appendix XI. Shoreline Erosion

This report comprises three sections as follows:

Annex I. contains scientists presently engaged in research in this field.

Annex II. is an indexed listing of data files pertinent to the Chesapeake Bay and adjacent coastal states.

Annex III. summarizes the monitoring efforts as derived from Annex II.

The source material for appendices IV-XI includes minimal material based on interviews, field work and verification. Efforts were directed to determining researchers and their activities from "A Chesapeake Bay Directory" only. For each of the eight subject areas, a key word list was also formulated and the respective pertinent data files compiled from the Environmental Data Base Directory. These files served as the primary source for the monitoring programs section.

ANNEX I

Directory of Researchers

Hydrologic Modifications

This "Directory of Researchers" contains a listing of scientists who are presently working in this field, their affiliations and their specific research activities. The information was compiled from "A Chesapeake Bay Directory" by A. McErlean et al. which was published as a partial fulfillment of this contract.

For researchers and research activities in other national and international areas the reader is referred to the "International Directory of Marine Scientists," issued by the Food and Agriculture Organization of the United Nations in 1977. Copies of this directory are available at the following locations:

EPA Region III
Chesapeake Bay Program Office
Curtis Building
6th and Walnut Streets
Philadelphia, PA 19106

Chesapeake Research Consortium
1419 Forest Drive
Suite 207
Annapolis, MD 21403

University of Maryland, Center for Environmental and
Estuarine Studies
ATTN: Karen Rutledge
P. O. Box 775
Horn Point Rd.
Cambridge, MD 21613

Virginia Institute of Marine Science
ATTN: Thomas Lochen
Gloucester Point, VA 23062

ANNEX I

Directory of Researchers

Hydrologic Modifications

Boicourt, W. C. Chesapeake Bay Institute, The Johns Hopkins University	Physical oceanography, circulation and mixing - Chesapeake Bay.
Boon, J. D., III Virginia Institute of Marine Science	Littoral processes, hydrodynamics of coastal inlets, tides and currents.
Brady, D. K. The Johns Hopkins University	Statistical, hydrological and hydrochemical aspects of environmental engineering problems, computer modeling.
Brush, L. M. The Johns Hopkins University	Physical hydrodynamics related to nutrient loading.
Chen, H. S. Virginia Institute of Marine Science	Water wave mechanics, harbor resonance in offshore or coastal harbors.
Cohen, J. The Johns Hopkins University	Water quality modeling.
Contractor, D. Virginia Polytechnic Institute and State University	Mathematical modeling, flood control.
Cronin, W. B. Chesapeake Bay Institute, The Johns Hopkins University	Field oceanography - Chesapeake Bay.
Faller, A. J. University of Maryland	Oceanography, fluid dynamics.
Fang, C. S. Virginia Institute of Marine Science	Estuarine and coastal hydro-mechanics.

Giles, R. H. Virginia Polytechnic Institute and State University	Land use planning, watershed models.
Goldsmith, V. Virginia Institute of Marine Science	Coastal processes, beach and wave dynamics, eolian processes.
Grosch, C. E. Old Dominion University	Theory of fluid turbulence, statistical wave theories, numerical models.
Ho, G. C. S. Virginia Institute of Marine Science	Water quality management, mathematical modeling of biological treatment processes.
Hyer, P. V. Virginia Institute of Marine Science	Geophysical fluid dynamics, estuarine and continental shelf oceanography.
Johnson, R. E. Old Dominion University	Generation and distribution of water masses, oceanic circulation.
Karweit, M. J. Chesapeake Bay Institute, The Johns Hopkins University	Fluid mechanics - Chesapeake Bay.
Kinsman, B. Chesapeake Bay Center for Environmental Studies, Smithsonian Institution	Estuarine hydrodynamics and circulation, data storage and handling.
Kuo, A. Y. Virginia Institute of Marine Science	Estuarine hydrodynamics and turbulence.
Kuo, C. Y. Old Dominion University	Coastal hydraulics.
Lotrich, V. A. University of Delaware	Ecological aspects of the Chesapeake and Delaware Canal.
McCormick, M. E. United States Naval Academy	Estuarine hydromechanics.
Najarian, T. Chesapeake Bay Institute, The Johns Hopkins University	Physical oceanography, mathematical modeling - Chesapeake Bay.

8<

Neilson, B. J. Virginia Institute of Marine Science	Dispersion, reaeration and stratification in estuaries.
Pagoria, P. S. Old Domionion University	Water quality modeling.
Phillips, O. M. The Johns Hopkins University	Geophysics, waves and turbulence.
Pritchard, D. W. Chesapeake Bay Institute, The John Hopkins University	Dynamics and kinematics of estuarine circulation - Chesapeake Bay.
Re Velle, C. The Johns Hopkins University	Water quality modeling.
Rives, S. R. Chesapeake Bay Institute, The Johns Hopkins University	Hydrography, power plant siting evaluation - Chesapeake Bay.
Rutledge, C., Jr. Westinghouse Electric Corporation	Oceanographic and meteorological monitoring systems, bottom mapping acoustic systems.
Ruzecki, E. P. Virginia Institute of Marine Science	Relationships between physics and biology of ocean systems.
Schulz, A. G. Applied Physics Laboratory, The Johns Hopkins University	Power plant siting evaluation.
Shanholtz, V. O. Virginia Polytechnic Institute and State University	Watershed modeling, hydrology.
Ulanowicz, R. E. Chesapeake Biological Laboratory, University of Maryland	Modeling of mass flows, hydrographic modeling applied to impact of electrical generation facilities -Chesapeake Bay.
Wahely, R. Chesapeake Bay Institute, The Johns Hopkins University	Current meter observations - Chesapeake Bay.

Wang, D. Chesapeake Bay Institute, The Johns Hopkins University	Mathematical modeling of estuarine and oceanographic processes - Chesapeake Bay.
Welch, C. S. Virginia Institute of Marine Science	Dynamical oceanography and measurements with drogued buoys.
Wolman, M. G. The Johns Hopkins University	Environmental engineering, urban and land runoff, water quality.
Zeigler, J. M. Virginia Institute of Marine Science	Erosion, nearshore circulation.

ANNEX II

Data Files

Hydrologic Modifications

The data files included in this section are arranged by EDBD accession number. This number should be used in inquiries to EDBD or in specific citations of files. However, for the purposes of this report, these files were assigned unique page numbers.

Files of areas adjacent to the Chesapeake Bay such as North Carolina, Delaware, New Jersey and Pennsylvania have been included when encountered.

page

12<

ENV. .ONMENTAL DATA INDEX

THE ENCLOSED LISTING IS A SELECTION OF FILE DESCRIPTIONS FROM THE ENDEX SYSTEM. ITS PURPOSE IS TO GUIDE USERS WITH REQUIREMENTS FOR HISTORICAL ENVIRONMENTAL DATA TO HOLDERS OF THESE DATA.

THIS OUTPUT WAS SELECTED FROM THE ENTIRE FILE BASED ON CERTAIN CRITERIA SPECIFIED BY THE USER. THESE CRITERIA ARE REPEATED BELOW:

EDBD

THE OUTPUT IS IN TWO PARTS. FIRST IS A LISTING OF ALL THE EDBD'S SELECTED, PRINTED IN ID NUMBER ORDER. AT THE BACK OF EACH OUTPUT MAY BE A CROSS-INDEX, LISTING SUCH THINGS AS WHICH FILE DESCRIPTIONS DESCRIBE DATA COLLECTED ON EACH PLATFORM TYPE, OR WHICH FILE DESCRIPTIONS HAVE DATA IN EACH GRID LOCATOR. THIS SECTION WILL VARY DEPENDING ON THE REQUIREMENTS OF THE USER. THE ID NUMBER IS IN THE UPPER LEFT CORNER OF EACH FILE DESCRIPTION. THE FOLLOWING IS AN EXPLANATION OF FIELDS ON EACH PAGE.

FILE NAME -- TOP CENTER OF PAGE. IDENTIFIED BY DATA HOLDER. ALSO, TIME RANGE OF DATA COLLECTION.

PROJECTS -- LIST OF PROJECTS UNDER WHICH DATA CONTAINED IN FILES MAY HAVE BEEN COLLECTED.

GENERAL GEOGRAPHIC AREA -- BEGINS WITH CONTINENT OR OCEAN IN WHICH DATA WERE COLLECTED AND DESCRIBES SMALLER AND SMALLER AREAS TO GIVE USER A GENERAL AREA OF DATA COLLECTION.

ABSTRACT -- CONTAINS GENERAL INFORMATION ABOUT WHY THE DATA WERE COLLECTED AND WHERE, METHODS OF ANALYSIS AND PERTINENT CONCLUSIONS.

DATA AVAILABILITY -- CONTAINS RESTRICTIONS ON DATA USE. IF BLANK IT MEANS THERE ARE NO KNOWN RESTRICTIONS.

PLATFORM TYPES -- LIST OF TYPES OF PLATFORMS (IF ANY) USED TO COLLECT DATA.

ARCHIVE MEDIA -- MEDIA ON WHICH DATA ARE STORED AND A ROUGH ESTIMATE OF THE SIZE OF THE FILE.

FUNDING -- ORGANIZATION FUNDING THE DATA COLLECTION (IF KNOWN).

INVENTORY -- WHEN DETAILED INFORMATION ON STATION LOCATIONS, COUNTS OF OBSERVATIONS/SAMPLES, ETC. ARE AVAILABLE, IT WILL BE DENOTED HERE.

PUBLICATIONS -- PUBLICATIONS RESULTING FROM THIS DATA SET (LIST IS SOMETIMES CONDENSED).

CONTACT -- NAME, ADDRESS AND PHONE NUMBER OF PERSON TO CONTACT TO OBTAIN FURTHER INFORMATION OR ACTUAL COPIES OF DATA.

GRID LOCATOR -- A SERIES OF NUMBERS USED TO MAKE GEOGRAPHIC RETRIEVAL POSSIBLE ON A COMPUTER. LATITUDE AND LONGITUDE ARE COMBINED INTO A SINGLE NUMBER. THE WORLD METEOROLOGICAL ORGANIZATION (WMO) CODE IS USED TO IDENTIFY AREAS WHERE DATA WERE COLLECTED. THIS MAY BE A 4,6,8, OR 10 DIGIT NUMBER DEPENDING ON WHETHER THE DATA HOLDER CHOSE TO IDENTIFY AREAS DOWN TO 10-DEGREE SQUARES OF LATITUDE AND LONGITUDE OR TO 1-DEGREE, 10-MINUTE, OR 1-MINUTE SQUARES.

FOR A 4-DIGIT GRID LOCATOR THE NUMBERS ARE AS FOLLOWS:

DIGIT 1 -- QUADRANT OF WORLD: 1=NE, 3=SE, 5=SW, 7=NW.

DIGIT 2 -- TENS DIGIT OF LATITUDE.

DIGITS 3/4 -- HUNDREDS AND TENS DIGITS OF LONGITUDE.

THUS 7408 WOULD BE THE 10-DEGREE SQUARE OF WHICH THE POINT 40N AND 080W IS THE LOWER RIGHT HAND CORNER.

FOR A SIX DIGIT NUBMER, DIGITS 5 AND 6 REPRESENT THE UNITS DIGITS OF LATITUDE AND LONGITUDE. THUS 740825 WOULD IDENTIFY THE 1-DEGREE SQUARE OF 42N AND 085W.

WITH AN 8-DIGIT NUMBER, 74082534 REPRESENTS THE SQUARE AT 42-DEGREES, 30-MINUTES NORTH AND 085-DEGREES, 40-MINUTES WEST, OR 10-MINUTE SQUARE.

THE SMALLEST AREA IDENTIFIED IN THE SYSTEM IS A 1-MINUTE SQUARE,
OR A 10-DIGIT GRID LOCATOR (E.G., 7408253415 IS 42-DEGRESS
31-MINUTES NORTH AND 085-DEGRESS, 45-MINUTES WEST).

PARAMETER IDENTIFICATION SECTION -- THIS PORTION OF THE FILE DESCRIPTION CONTAINS A LIST OF PARAMETERS MEASURED, THE SPHERE IT WAS MEASURED IN, THE METHODS USED AND THE UNITS OF MEASUREMENT. IN ADDITION, SUCH INFORMATION AS THE NUMBER OF MEASUREMENTS OF EACH PARAMETER AND THE FREQUENCY (IF REGULARLY SPACED) ARE REPORTED. A SPECIALIZED INDEX VOCABULARY IS AVAILABLE DEFINING THE PARAMETER, SPHERE, AND METHOD TERMS USED.

QUESTIONS CONCERNING THIS OUTPUT SHOULD BE RELAYED TO THE NODC OCEANOGRAPHIC SERVICES BRANCH (202) 634-7500 OR TO THE DATA INDEX BRANCH (202) 634-7298.

000244

DELBAY
DATA COLLECTED: JUNE 1968 TO JUNE 1970

RECEIVED: DECEMBER 05, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY

ABSTRACT:
CURRENT VELOCITIES AND SUSPENDED SEDIMENT CONCENTRATIONS WERE MONITORED AT APPROXIMATELY 43 STATIONS THROUGHOUT THE DELAWARE BAY FOR A PERIOD OF TWO YEARS.

DATA AVAILABILITY:
DATA FILES AVAILABLE FROM GEOLOGY DEPARTMENT UNIVERSITY OF DELAWARE

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
PUNCHED CARDS; DATA SHEETS
SEVERAL NOTEBOOKS OF DATA SHEETS, PUNCHED CARDS AND UNPUBLISHED PHD DISSERTATION

FUNDING:

INVENTORY:

PUBLICATIONS:
PHD DISSERTATION, SUSPENDED SEDIMENT TRANSPORTIN DELAWARE BAY, BY OOSTDAM, UNIVERSITY OF DELAWARE

CONTACT:
DR B L OOSTDAM 717-872-5411
MARINE SCIENCE CONSORTIUM
MILLERSVILLE PENNSYLVANIA USA 17551

GRID LOCATOR (LAT):
730785 730784 730795 730794

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	43	STATIONS			DETERMINED BY SEXTANT AND LORAN
TIME	EARTH	STATION TIME	YMDHM	100	OBS	VARIABLE 1 TO 5 OBS PER STATION		
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	4500	OBS			THROUGHOUT A TIDAL CYCLE, AT 5 DEPTHS EVERY 1/2 HOUR
TEMPERATURE	WATER	THERMISTOR	DEG C	4500	OBS			THROUGHOUT A TIDAL CYCLE, AT 5 DEPTHS EVERY 1/2 HOUR

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	PARTS PER MILLION	4500	OBS			THROUGHOUT A TIDAL CYCLE, AT 5 DEPTHS
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	CM PER SECOND	12000	OBS	EVERY 1/2 HOUR	AT ONE LEVEL AT	LEAST 3 TIMES IN 5 MINUTES
WIND SPEED	AIR	VISUAL	MILES PER HOUR	100	OBS	EVERY 1/2 HOUR		
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG C	100	OBS	EVERY FEW HOURS	DURING STATION	EVERY FEW HOURS DURING STATION

000256

EVALUATION OF CHANNELIZATION EFFECTS ON AQUATIC HABITAT
DATA COLLECTED: JULY 1973 TO PRESENT

RECEIVED: JANUARY 01, 1976

127

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, COASTAL, MARYLAND, EASTERN SHORE

ABSTRACT:
EXTENSIVE DATA BASE ON 19 CHANNELIZED STREAMS INCLUDING WATER CHEMISTRY, BENTHOS, AND FISHES. COMPARISONS ACROSS STREAMS BASED UPON TIME SINCE CHANNELIZED. DETERMINATION OF RECOVERY TIME AND SEQUENCE OF BIOTA AND CHEMICAL FACTORS.

DATA AVAILABILITY:
WITH REQUEST AND COST OF DUPLICATION

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS
2 STANDARD FILE DRAWERS

FUNDING:
BSFW DINGELL-JOHNSON ACT AND MARYLAND DNR, PROJECT MD F 24 R

INVENTORY:

PUBLICATIONS:

CONTACT:
W.R. CARTER 301-267-5361
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730785 730786 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	648	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	648	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	BECKMAN RS-5
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	BECKMAN RS-5
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PARTS PER MILLION	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	YSI MODEL 54
SULFATE	WATER	COLORIMETRY	PARTS PER MILLION	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	HACH KIT TEST
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	BECKMAN LAB MODEL
PHOSPHATE	WATER	COLORIMETRY	PARTS PER MILLION	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	HACH KIT TEST

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
HARDNESS	WATER	EDTA TITRATION	PARTS PER MILLION	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	
TOTAL ALKALINITY	WATER	TITRATION	PARTS PER MILLION	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	
LIGHT ATTENUATION	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION AS SILICON DIOXIDE	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	HELLIGE
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	0 PT 1 METERS	1296	OBS	2 TIMES PER MONTH		
DEPTH	WATER	WIRE LENGTH	FEET	1296	OBS	2 TIMES PER MONTH	BOTTOM	
BOTTOM TYPE	BOTTOM	VISUAL	SAND, MUD, SHELL, MIXED	1296	OBS	2 TIMES PER MONTH	BOTTOM	
BATHYMETRY	WATER	LEAD LINE	CROSS SECTION AREA IN SQ FT	540	OBS			STREAM PROFILE
WEIGHT OF BENTHIC PLANTS	BOTTOM	WET WEIGHT	PER SQ FT PER TRANSECT	540	OBS	2 TIMES		SAMPLE EVERY THIRD FOOT ON TRANSECT
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	INTERCEPTED INCHES ON TRANSECT	540	OBS	2 TIMES	BOTTOM	10 TRANSECTS ON 27 STREAMS
CURRENT SPEED	WATER	IMPELLOR METER	FT PER SECOND	540	OBS	2 TIMES		SEASONAL READINGS
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	AVERAGE NUMBER PER AREA	540	OBS	2 TIMES		SMALL PETERSEN GRAB, 1 SAMPLE PER TRANSECT
TAXONOMIC LIST OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER GENUS	540	OBS	2 TIMES		SMALL PETERSEN GRAB, 1 SAMPLE PER TRANSECT
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED	RANK ANALYSIS	54	OBS			BENTHIC ANIMALS
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER PER SPECIES PER AREA, SPECIES LIST	27	OBS			100 FOOT ROTENONE SAMPLE
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER PER SPECIES PER AREA, SPECIES LIST	27	OBS			100 FOOT ROTENONE SAMPLE
COUNT OF DEMERSAL FISH	WATER	VISUAL	AVERAGE NUMBER PER AREA	27	OBS			
COUNT OF PELAGIC FISH	WATER	VISUAL	AVERAGE NUMBER PER AREA	27	OBS			
COMMUNITY STRUCTURE ANALYSIS	WATER	CALCULATED	RANK ANALYSIS	27	OBS			FISH COMMUNITY
LENGTH OF DEMERSAL FISH	WATER	TOTAL LENGTH	MILLIMETERS	5000	OBS			ALL GAME FISHES
WEIGHT OF DEMERSAL FISH	WATER	WET WEIGHT	GRAMS	5000	OBS			ALL GAME FISHES
AGE DATING OF	WATER	SCALES	YEARS	5000	OBS			ALL GAME FISHES

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DEMERSAL FISH							

000288 CHARACTERIZATION OF COASTAL AND ESTUARINE FISH NURSERY GROUNDS AS NATURAL COMMUNITIES

DATA COLLECTED: NOVEMBER 1965 TO AUGUST 1967 RECEIVED: JANUARY 15, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, YORK RIVER, PAMUNKEY RIVER, WACHAPREAGUE

ABSTRACT:
THE YORK-PAMUNKEY RIVER SYSTEM IN VIRGINIA WAS SAMPLED MONTHLY FOR ONE YEAR FOR FISH, PHYTOPLANKTON, ZOOPLANKTON BENTHOS. HISTORICAL TRAWL DATA FOR THIS AREA AS WELL AS WACHAPREAGUE AREA WAS ORGANIZED, KEYPUNCHED AND COMBINED WITH THE RECENTLY ACQUIRED DATA TO ESTIMATE THE UTILIZATIONOF THESE AREAS AS NURSERY AREAS
(SUMMARIES IN THREE QUARTERLY, ONE ANNUAL, ONE FINAL REPORTS. STUDY ALSO INCLUDES COMPILATION AND ANALYSIS OF PREVIOUSLY OBTAINED BIOLOGICAL AND HYDROLOGICAL DATA OF THE YORK AND PAMUNKEY RIVERS FROM JAN 1956 TO OCT 1965)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
PUNCHED CARDS; REPORTS; DATA SHEETS
SEVERAL FILES OF PUNCHED CARDS, DATA SHEETS, SEVEN REPORTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
W A VAN ENGLE 804 642 2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	11	STATIONS			
TIME	EARTH	STATION TIME	YMDH	700	OBS	MONTHLY AND SEVERAL 24 HR STATIONS		566 YORK & PAMUNKEY HISTORICAL STATIONS; 121 YORK & PAMUNKEY STUDY STATIONS, 3 WACHAPREAGUE HISTORCIAL STATIONS; 11 YORK &

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								PAMUNKEY 24 HR STATIONS
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	3100	OBS	MONTHLY, HOURLY	SURFACE & BOTTOM	HISTORICAL & CURRENT YORK & PAMUNKEY DATA, HISTORICAL WACHAPREAGUE DATA
TEMPERATURE	WATER	THERMISTOR	DEG C	3100	OBS	MONTHLY, HOURLY	SURFACE & BOTTOM	HISTORICAL & CURRENT YORK & PAMUNKEY DATA, HISTORICAL WACHAPREAGUE DATA
SALINITY	WATER	TITRATION	PARTS PER THOUSAND	3100	OBS	MONTHLY, HOURLY	SURFACE & BOTTOM	HISTORICAL & CURRENT YORK & PAMUNKEY DATA, HISTORICAL WACHAPREAGUE DATA
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	3100	OBS	MONTHLY, HOURLY	SURFACE & BOTTOM	HISTORICAL & CURRENT YORK & PAMUNKEY DATA, HISTORICAL WACHAPREAGUE DATA
DISSOLVED OXYGEN GAS	WATER	TITRATION	MG PER LITER	300	OBS	MONTHLY, HOURLY	SURFACE & BOTTOM	CURRENT YORK & PAMUNKEY AND HISTORICAL WACHAPREAGUE DATA
TIDAL CURRENT SPEED	WATER	SAVONIUS ROTOR METER	KNOTS	500	OBS	MONTHLY	SURFACE & BOTTOM	CURRENT TRAWL STATIONS YORK & PAMUNKEY
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	121	OBS	MONTHLY	SURFACE	CURRENT TRAWL STATIONS YORK & PAMUNKEY
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	METERS	121	OBS	MONTHLY		CURRENT TRAWL STATIONS YORK & PAMUNKEY
TOTAL SOLIDS	WATER	DRY WEIGHT	MG PER LITER	121	OBS	MONTHLY		CURRENT TRAWL STATIONS YORK & PAMUNKEY
WIND SPEED	AIR	VISUAL	MILES PER HOUR	121	OBS	MONTHLY		CURRENT TRAWL STATIONS YORK & PAMUNKEY
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS	16	OBS	TWICE IN ONE YEAR		EIGHT STATIONS
SPECIES DETERMINATION OF BENTHIC	BOTTOM	KEY	SPECIES	16	OBS	TWICE IN ONE YEAR		EIGHT STATIONS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS								
STOMACH CONTENT ANALYSIS OF PELAGIC FISH	WATER	VISUAL	VOLUME AND NUMBER OF FOOD ITEMS	1150	OBS			
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS	654	OBS	MONTHLY		CURRENT AND HISTORICAL TRAWL DATA
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	SPECIES	654	OBS	MONTHLY		CURRENT AND HISTORICAL TRAWL DATA
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS	654	OBS	MONTHLY		CURRENT AND HISTORICAL TRAWL DATA
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	SPECIES	654	OBS	MONTHLY		CURRENT AND HISTORICAL TRAWL DATA
BIOMASS OF PELAGIC FISH	WATER	WET WEIGHT	GRAMS PER TOW	654	OBS	MONTHLY		CURRENT AND HISTORICAL TRAWL DATA
BIOMASS OF DEMERSAL FISH	WATER	WET WEIGHT	GRAMS PER TOW	654	OBS	MONTHLY		CURRENT AND HISTORICAL TRAWL DATA
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS	845	OBS	MONTHLY		HISTORICAL TRAWL DATA OF BLUE CRABS 1956 TO 1967
BIOMASS OF BENTHIC ANIMALS	BOTTOM	WET WEIGHT	GRAMS PER TOW	845	OBS	MONTHLY		HISTORICAL TRAWL DATA OF BLUE CRABS 1956 TO 1967
COUNT OF ZOOPLANKTON	WATER	VISUAL	NUMBER OF INDIVIDUALS	250	OBS	MONTHLY		
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	SPECIES	250	OBS	MONTHLY		
COUNT OF PHYTOPLANKTON	WATER	VISUAL	NUMBER OF INDIVIDUALS	250	OBS	MONTHLY		

PROJECTS:

23^

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, VIRGINIA, CONTINENTAL SHELF OFF COAST OF EASTERN SHORE OF VIRGINIA

ABSTRACT:
A REPORT OF A 32 STATION HYDROGRAPHIC SURVEY OF THE CONTIENTAL SHELF OFF VIRGINIA. SALINITY, TEMPERATURE, DEPTH AND SIGMA-T WERE REPORTED AT 10 METER INTERVALS BETWEEN SURFACE AND BOTTOM AT EACH STATION.

DATA AVAILABILITY:
COST OF REPRODUCTION AND HANDLING

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
A REPORT OF 32 STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS SPECIAL SCIENTIFIC REPORT NO 48

CONTACT:
LIBRARIAN 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

014

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	32	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	32	STATIONS			
DEPTH	WATER	WIRE LENGTH	FEET	32	OBS			
TEMPERATURE	WATER	THERMISTOR	DEG C	211	OBS			SURFACE TO BOTTOM PROFILE AT 10 M INTERVALS
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	211	OBS			SURFACE TO BOTTOM PROFILE AT 10 M INTERVALS
DENSITY	WATER	CALCULATED AS	SIGMA T UNITS	211	OBS			SURFACE TO

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
		SIGMA-T				BOTTOM PROFILE AT 10 M INTERVAL S	

000797

SHELF OBSERVATIONS-HYDROGRAPHY
DATA COLLECTED: JULY 1963 TO JULY 1963

RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF OFF COAST OF EASTERN SHORE OF VIRGINIA

ABSTRACT:
A REPORT OF 51 STATION HYDROGRAPHIC SURVEY ON THE CONTIENTAL SHELF OFF VIRGINIA IN MID-1963.

DATA AVAILABILITY:
COST OF REPRODUCTION AND HANDLING CHARGE

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
A REPORT OF 51 HYDROGRAPHIC STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS SPECIAL SCIENTIFIC REPORT NO 48

CONTACT:
LIBRARIAN 703-642-2111 X19
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	51	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	51	STATIONS			
DEPTH	WATER	WIRE LENGTH	FEET	51	OBS		SURFACE TO BOTTOM	
TEMPERATURE	WATER	THERMISTOR	DEG C (0 PT 2 ACCURACY)	216	OBS		SURFACE TO BOTTOM AT VARIOUS INTERVALS	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	216	OBS		SURFACE TO BOTTOM AT VARIOUS INTERVALS	
DENSITY	WATER	CALCULATED AS SIGMA-T	SIGMA-T UNITS	216	OBS		SURFACE TO BOTTOM AT VARIOUS	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPT.	REMARKS
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	FEET	216 OBS		INTERVALS SURFACE TO BOTTOM AT VARIOUS INTERVALS	

000800

DATA ON COASTAL CURRENTS OFF CHESAPEAKE BAY
DATA COLLECTED: DECEMBER 1959 TO DECEMBER 1961

RECEIVED: MAY 16, 1973

>27<

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, MOUTH OF CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
A DATA REPORT OF THE COASTAL CURRENTS OFF THE MOUTH OF THE CHESAPEAKE BAY USING SURFACE AND BOTTOM DRIFT DEVICES RELEASED AT 25 DIFFERENT LOCATIONS OVER A 2 YEAR PERIOD.

DATA AVAILABILITY:
COST OF REPRODUCTION AND HANDLING CHARGE

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
220 OBS IN ONE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS SPECIAL SCIENTIFIC REPORT NO 31

CONTACT:
LIBRARIAN 703-642-2111 X19
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730775 730766 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	25	STATIONS			
TIME	EARTH	STATION TIME	YMDL	25	STATIONS			
DEPTH	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	FEET	25	OBS			
CURRENT DIRECTION	WATER	DRIFT DEVICE	BEARING OF DRIFT	220	OBS		SURFACE AND BOTTOM	
CURRENT SPEED	WATER	DRIFT DEVICE	MILES TRAVELED, DAYS ADRIFT	220	OBS		SURFACE AND BOTTOM	

000823

ENVIRONMENTAL IMPACT OF PROPOSED MARINA IN YORK RIVER STATE PARK
DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

RECEIVED: MAY 30, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, YORK RIVER, TASKINAS CREEK

ABSTRACT:
BIOMASS AND ANNUAL YIELD PER ACRE, SPECIES DETERMINATION AND BODY LENGTH WERE RECORDED FOR BENTHIC PLANTS IN THE TASKINAS CREEK, VIRGINIA DURING OCTOBER 1972. WATER SAMPLES WERE ANALYZED FOR SALINITY AND TOTAL ORGANIC CARBON, AND THE WATER TRANSPORT RATE OF THE CREEK WAS MEASURED. THE RESULTS OF THE STUDY ARE AVAILABLE ON DATA SHEETS FROM VIMS, ALONG WITH COMMENTS ON WILDLIFE USEAGE.
(DATA CONTAINS COMMENTS ON WILDLIFE USAGE)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
62 OBS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
KENNETH MARCELLUS 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	STATION TIME	YMDL	1	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER MARSHLAND AREA	1	OBS			MARSH PLANTS
BIOMASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	TONS PER ACRE	1	OBS			MARSH PLANTS
YIELD OF BENTHIC PLANTS	LAND	CROPPING	TONS PER ACRE PER YEAR	1	OBS			MARSH PLANTS
LENGTH OF BENTHIC PLANTS	LAND	DIRECT	METERS	1	OBS			MARSH PLANTS
ORGANIC CARBON	WATER	WET COMBUSTION/	MG PER LITER	28	OBS		FOURTEEN	TWO TIDAL

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
		INFRARED SPECTROMETRY				HOURLY SAMPLES PER TIDAL CYCLE	CYCLES SAMPLED
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	28 OBS		FOURTEEN HOURLY SAMPLES PER TIDAL CYCLE	TWO TIDAL CYCLES SAMPLED
WATER TRANSPORT	WATER	IMPELLOR METER	CUBIC METERS PER TIDAL CYCLE	2 OBS			TWO TIDAL CYCLES SAMPLED

29A 020

001019

TIDAL CURRENTS AT MOUTH OF CHESAPEAKE BAY
DATA COLLECTED: OCTOBER 1971 TO PRESENT

RECEIVED: JULY 13, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY ENTRANCE, VIRGINIA

ABSTRACT:
TIDAL CURRENT SPEED AND DIRECTION AT THE ENTRANCE TO CHESAPEAKE BAY OBTAINED OVER 30 HOUR PERIODS. DATA REDUCED TO OBTAIN DEPTH PROFILES OF CURRENT PARAMETERS

DATA AVAILABILITY:
OLD DOMINION UNIV, INSTITUTE OF OCEANOGRAPHY TECH REPORTS NO 7, 2, 1

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
24 STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN LUDWICK 703-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730775 730765 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	24 STATIONS			
TIME	EARTH	STATION TIME	YMDHL	24 STATIONS			OCCUPIED 1 FOR 30 HOURS
TIDAL CURRENT SPEED	WATER	IMPELLOR METER	FEET/SEC	48 STATIONS	READINGS OVER 3 HOUR PERIOD	SURFACE TO BOTTOM AT 11 DEPTHS	DATA ON CURRENT SPEED AND DIRECTION OBTAINED OVER 30 HOUR PERIOD REDUCED TO SYNOPTIC DEPTH PROFILES OF THE PARAMETER, BY KELVIN-

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TIDAL CURRENT DIRECTION	WATER	IMPELLOR METER	DEGREES	48 STATIONS	READINGS OVER 30 HOUR PERIOD	SURFACE TO BOTTOM AT 11 DEPTHS	HUGHES DIRECT READING CURRENT METER DATA ON CURRENT SPEED AND DIRECTION OBTAINED OVER 30 HOUR PERIOD REDUCED TO SYNOPTIC DEPTH PROFILES OF THE PARAMETER, BY KELVIN-HUGHES DIRECT READING CURRENT METER
DEPTH	WATER	WIRE LENGTH	FEET	48 STATIONS			
WIND SPEED	AIR	ANEMOMETER	MILES PER HOUR	48 STATIONS	OBSERVATIONS MADE HOURLY OVER 30 HOUR PERIOD		
WAVE AMPLITUDE	WATER	VISUAL	FEET	48 STATIONS	OBSERVATIONS MADE HOURLY OVER 30 HOUR PERIOD		

DATA REPORT OPERATION YORK RIVER, 1969
DATA COLLECTED: OCTOBER 1969 TO OCTOBER 1969

RECEIVED: JULY 20, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, YORK RIVER, MATTAPONI RIVER, PAMUNKEY RIVER

ABSTRACT:
INTENSIVE SAMPLING OF HYDROGRAPHIC PARAMETERS DURING A FIELD SURVEY CARRIED OUT IN OCTOBER 1969 TO GATHER FIELD DATA FROM THE MATTAPONI, PAMUNKEY AND YORK RIVERS IN ORDER TO CONSTRUCT MATHEMATICAL MODELS FOR SALINITY AND DISSOLVED OXYGEN

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
REPORTS
270 PAGES

FUNDING:
SUPPORTED IN PART BY DIV OF WATER RESOURCES OF VA DEPT OF CONSERVATION AND DEVELOPMENT AND VA WATER CONTROL BOARD

INVENTORY:

PUBLICATIONS:
VIMS DATA REPORT NO 9 BY P V HYER, E P RUZECKI, C S FANG, DATA ALSO IN VIMS MASTER FILE

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT /IRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	92	STATIONS			37 TRANSECTS
TIME	EARTH	SAMPLING TIME	YMDHML	2300	STATIONS			
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	15353	OBS	HOURLY OVER A 25 HOUR SAMPLING PERIOD	SURFACE TO BOTTOM AT 2 METER INTERVALS	
TEMPERATURE	WATER	THERMISTOR	DEG C	17500	OBS	HOURLY OVER A 25 HOUR SAMPLING PERIOD	SALINITY	
DISSOLVED OXYGEN CAS	WATER	TITRATION	MG PER LITER	5800	OBS	HOURLY OVER A 25 HOUR SAMPLING PERIOD	SALINITY	WINKLER
CURRENT	WATER	DIRECTION VANE	DEGREES	17500	OBS	HOURLY OVER A	SALINITY	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DIRECTION			MAGNETIC			25 HOUR SAMPLING PERIOD		
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	METERS PER SECOND	17500	OBS	HOURLY OVER A 25 HOUR SAMPLING PERIOD	SALINITY	

001059

HYDROGRAPHIC DATA COLLECTION FOR " OPERATION JAMES RIVER-1964"
DATA COLLECTED: MAY 1964 TO OCTOBER 1964

RECEIVED: JULY 20, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S.. COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER

ABSTRACT:
INTENSIVE SAMPLING OF HYDROGRAPHIC PARAMETERS OF THE JAMES RIVER, VA, 1964. DATA COLLECTED TO PROVIDE INFORMATION FOR VERIFICATION OF A HYDRAULIC MODEL OF THE JAMES RIVER BELOW THE FALL LINE AT RICHMOND AND FOR CALCULATION OF CIRCULATION DYNAMICS IN THE JAMES RIVER.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
155 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS DATA REPORT NO 5, 1967, J K SHIDLER AND W G MACINTYRE, DATA ALSO IN VIMS MASTER FILE

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMT	61	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHTL	103	STATIONS	HOURLY		103 STATIONS OCCUPIED DURING 14 CRUISES
TEMPERATURE	WATER	THERMISTOR	DEG C	16920	OBS	HOURLY	SURFACE TO BOTTOM AT APPROX 2 METER INTERVALS	103 STATIONS OCCUPIED DURING 14 CRUISES
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	16920	OBS	HOURLY	SURFACE TO BOTTOM AT APPROX 2 METER	103 STATIONS OCCUPIED DURING 14 CRUISES

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
BATHYMETRY	WATER	LEAD LINE	METERS	103	OBS		INTERVALS	
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG C	4000	OBS	HOURLY		STEM THERMOMETER
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	METERS PER SECOND	16920	OBS	HOURLY	SURFACE TO BOTTOM AT APPROX 2 METER INTERVALS	OTHER METHODS INCLUDE DROGUES, FLOATS
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	16920	OBS	HOURLY	SURFACE TO BOTTOM AT APPROX 2 METER INTERVALS	OTHER METHODS INCLUDE DROGUES, FLOATS
WIND SPEED	AIR	ANEMOMETER	METERS PER SECOND	4000	OBS	HOURLY		
WIND DIRECTION	AIR	DIRECTION VANE	DEGREES MAGNETIC	4000	OBS	HOURLY		
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	METERS	4000	OBS			

001064 SALINITY-TEMPERATURE OBSERVATIONS OFF VIRGINIA BEACH, VIRGINIA PAGE 01
DATA COLLECTED: OCTOBER 1972 TO PRESENT RECEIVED: JULY 31, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, VIRGINIA BEACH

ABSTRACT:
CURRENT EDDY AND SALINITY-TEMPERATURE STUDY OFF VIRGINIA BEACH, VIRGINIA ON DATA SHEETS AVAILABLE FROM OLD DOMINION UNIVERSITY. ON GOING STUDY STARTED OCTOBER 1972.
(STUDY OF CURRENT EDDY OFF VIRGINIA BEACH)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
10 STATIONS OCCUPIED: 20 SAMPLING EFFORTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
RONALD JOHNSON 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	10	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	20	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	190	OBS	HOURLY	SURFACE	1 3 1/2 HOUR STATION, 1 15 HOUR STATION
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	190	OBS	HOURLY	SURFACE	1 3 1/2 HOUR STATION, 1 15 HOUR STATION
CURRENT DIRECTION	WATER	DRIFT DEVICE	DEGREES	250	OBS		SURFACE AND BOTTOM	1 3 1/2 HOUR STATION, 1 15 HOUR STATION
CURRENT SPEED	WATER	DRIFT DEVICE	KNOTS PER HOUR	250	OBS		SURFACE AND BOTTOM	1 3 1/2 HOUR STATION, 1 15 HOUR STATION

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT DIRECTION	WATER	DRIFT DEVICE	KNOTS PER HOUR	400	OBS	READING EVERY 1/2 HOUR	DRAG PLATES AT 20 FEET	RADAR TRACKED

37<

028

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, VIRGINIA BEACH

ABSTRACT:
STUDY OF LONGSHORE CURRENTS OFF VIRGINIA BEACH, VIRGINIA AVAILABLE FROM OLD DOMINION UNIVERSITY DATA SHEETS

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
3 STATIONS; 72 OBSERVATIONS; FREQUENCY OF EVERY TWO WEEKS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PETER FLEISCHER 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	3	STATIONS			
TIME	EARTH	STATION TIME	YMDL	72	STATIONS	EVERY TWO WEEKS		
ALTITUDE	LAND	DIRECT	CENTIMETERS	72	OBS	EVERY TWO WEEKS		BEACH ELEVATION
CURRENT SPEED	WATER	DRIFT DEVICE	CENTIMETERS PER SECOND	72	OBS	EVERY TWO WEEKS	0-1 METER	SURF ZONE
CURRENT DIRECTION	WATER	DRIFT DEVICE	DEGREES	72	OBS	EVERY TWO WEEKS	0-1 METER	SURF ZONE
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	GRAMS PER LITER	288	OBS	EVERY TWO WEEKS	0-1 METER	SURF ZONE
WAVE AMPLITUDE	WATER	FIXED STAFF, VISUAL	FEET	72	OBS	EVERY TWO WEEKS		SURF ZONE
WAVE DIRECTION	WATER	VISUAL	DEGREES	72	OBS	EVERY TWO WEEKS		SURF ZONE

DATA COLLECTED: JULY 1970 TO OCTOBER 1970 RECEIVED: JULY 31, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY MOUTH, VIRGINIA

ABSTRACT:
SURVEY OF HYDROGRAPHIC PARAMETERS DURING PERIODS OF EBB AND FLOOD TIDE IN THE ENTRANCE TO THIMBLE SHOAL CHANNEL. DATA REDUCED TO SYNOPTIC INTERVALS OF TIME AND DEPTH

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS; PUNCHED CARDS
THREE STATIONS OCCUPIED FOR THREE 15 TO 30 HOUR SAMPLING PERIODS

FUNDING:

INVENTORY:

PUBLICATIONS:
ODU THESIS, S HECKER, 1971

CONTACT:
RONALD JOHNSON 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730766 730776 730775 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	3	STATIONS	15-30 HOURS EACH STATION		
TIME	EARTH	STATION TIME	YMDL	9	STATIONS	15-30 HOURS EACH STATION		
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	1620	OBS	15-30 HOURS EACH STATION	SURFACE TO BOTTOM AT 5 FOOT INTERVALS	DATA REDUCED TO SYNOPTIC TIME INTERVALS AND TIME DEPTHS
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	1620	OBS	15-30 HOURS EACH STATION	SURFACE TO BOTTOM AT 5 FOOT INTERVALS	DATA REDUCED TO SYNOPTIC TIME INTERVALS AND TIME DEPTHS
CURRENT SPEED	WATER	IMPELLOR METER	METERS PER	1620	OBS	15-30 HOURS	SURFACE TO	DATA REDUCED TO

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
			SECOND			EACH STATION	BOTTOM AT 5 FOOT INTERVALS	SYNOPTIC TIME INTERVALS AND TIME DEPTHS
CURRENT DIRECTION	WATER	IMPELLOR METER	DEGREES	1620	OBS	15-30 HOURS EACH STATION	SURFACE TO BOTTOM AT 5 FOOT INTERVALS	DATA REDUCED TO SYNOPTIC TIME INTERVALS AND TIME DEPTHS
DEPTH	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	METERS	3	OBS			DATA REDUCED TO SYNOPTIC TIME INTERVALS AND TIME DEPTHS

001072

A PHYSICAL HYDROGRAPHIC STUDY OF THE LAFAYETTE RIVER
DATA COLLECTED: JUNE 1971 TO JUNE 1971

RECEIVED: JULY 31, 1973

41

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LAFAYETTE RIVER

ABSTRACT:
STANDARD HYDROGRAPHIC SURVEY OF THE ELIZABETH RIVER, NORFOLK, VA. DATA REDUCED TO SYNOPTIC INTERVALS OF TIME AND DEPTH

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
SEVEN FIFTEEN HOUR SAMPLING PERIODS ELEVEN STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:
ODU THESIS, WHITE, 1972

CONTACT:
RONALD JOHNSON 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	11	STATIONS			
TIME	EARTH	STATION TIME	YMDL	77	STATIONS			
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	5775	OBS	HOURLY		SEVEN 15 HOURLY SAMPLING PERIODS, DATA REDUCED TO SYNOPTIC INTERVALS OF TIME AND DEPTH
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	5775	OBS	HOURLY		SEVEN 15 HOURLY SAMPLING PERIODS, DATA REDUCED TO SYNOPTIC INTERVALS OF

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	5775	OBS	HOURLY		TIME AND DEPTH SEVEN 15 HOURLY SAMPLING PERIODS, DATA REDUCED TO SYNOPTIC INTERVALS OF TIME AND DEPTH
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	METERS PER SECOND	5775	OBS	HOURLY		TIME AND DEPTH SEVEN 15 HOURLY SAMPLING PERIODS, DATA REDUCED TO SYNOPTIC INTERVALS OF TIME AND DEPTH
DEPTH	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	METERS	5775	OBS	HOURLY		TIME AND DEPTH SEVEN 15 HOURLY SAMPLING PERIODS, DATA REDUCED TO SYNOPTIC INTERVALS OF TIME AND DEPTH

BATHYMETRY OF CHESTER RIVER
DATA COLLECTED: JULY 1971 TO JULY 1972

RECEIVED: SEPTEMBER 17, 1973

43<

PROJECTS:
CHESTER RIVER STUDY

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, CHESTER RIVER

ABSTRACT:
BATHYMETRIC SURVEY OF THE CHESTER RIVER, MARYLAND. SURVEY INCLUDES INTERPERTATIONS OF BOTTOM TYPE FROM ECHO SOUNDINGS.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
23 TRANSECTS; APPROX 100 MILES

FUNDING:
WESTINGHOUSE, MARYLAND DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:
CHESTER RIVER STUDY, WESTINGHOUSE, VOL 1, 2, 3

CONTACT:
HAROLD PALMER 301-765-1000
WESTINGHOUSE ELECTRIC CORPORATION
OCEAN RESEARCH LABORATORY, BOX 1771
ANNAPOLIS MARYLAND USA 21404

031

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	100	STATIONS			23 TRACTS TRANSECTS
TIME	EARTH	STATION TIME	YMDL	1	STATIONS			
BATHYMETRY	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	METERS	100	MILES	ONCE	BOTTOM	23 TRANSECTS; RAYTHEON RTT-1000; WESTINGHOUSE L-15 AND A-38; DATA IN STRIP CHARTS
BOTTOM TYPE	BOTTOM	ACOUSTIC SOUNDING ESTIMATE	PHOTOGRAPHS, STRIP CHART RECORDINGS	100	MILES	ONCE	BOTTOM	23 TRANSECTS; RAYTHEON RTT-1000; WESTINGHOUSE L-15 AND A-

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPT·	REMARKS
							38; DATA IN STRIP CHARTS; GRA·HIC INTERPRETATIONS OF SUBBOTTOM PROFILES

001295

HYDROGRAPHY OF THE CHESTER RIVER
DATA COLLECTED: NOVEMBER 1971 TO OCTOBER 1972

RECEIVED: SEPTEMBER 17, 1973

PROJECTS:
CHESTER RIVER STUDY

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, CHESTER RIVER

ABSTRACT:
EXTENSIVE HYDROGRAPHIC STUDY OF THE CHESTER RIVER, MARYLAND. STUDY WAS DESIGNED TO SUPPLY INFORMATION FOR THE CONSTRUCTION OF A MATHEMATICAL MODEL OF THE RIVER AND TO OBTAIN LONG-TERM MEASUREMENTS OF HYDROLOGICAL AND METEOROLOGICAL PARAMETERS WHICH ARE NECESSARY TO PROPERLY INTERPERT OTHER ASPECTS OF THE CHESTER RIVER STUDY. REPORTS CONTAIN DETAILED ACCOUNTS OF DATA MANAGEMENT, INSTRUMENTATION AND DATA SUMMARIES. THE RIVER SURVEY CONSISTED OF FIVE LONGITUDINAL TRANSECTS OF 13 STATIONS EACH, 5 TRANSECTS OF 9 STATIONS EACH, AND SEVERAL 5-28 HOUR OPERATIONS ALL USING HYDROLAB CORPS. SURVEY SYSTEM. FIXED STATIONS CONSISTED OF 2 HYDROPRODUCTS CURRENT STATIONS, 2 WESTINGHOUSE ENVIRONMENTAL MONITORING SYSTEMS AND 3 ODESSA DATA BOUYS.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
THREE VOLUME REPORT; ONE-HALF INCH, 7 TRACK MAG TAPES, 800 BPI, EVEN PARITY BCD DIGITAL STORAGE FORMAT; TWO-2400 FT TAPES

FUNDING:
WESTINGHOUSE, MARYLAND DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:
CHESTER RIVER STUDY, WESTINGHOUSE, VOL 1, 2, 3

CONTACT:
HAROLD PALMER 301-765-1000
WESTINGHOUSE ELECTRIC CORPORATION
OCEAN RESEARCH LABORATORY, BOX 1771
ANNAPOLIS MARYLAND USA 21404

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	31	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	31	STATIONS			
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	403200	OBS	10 PER HOUR	SURFACE TO BOTTOM PROFILE	ODESSA DATA BOUY SYSTEM; NATIONAL OCEAN SURVEY (NOAA); 3 BOUYS, 7 UNDER-WATER

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								SENSOR MODULES; 3 STATIONS MAY-JUL 1972
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	KNOTS	403200	OBS	10 PER HOUR	SURFACE TO BOTTOM PROFILE	ODESSA DATA BOUY SYSTEM; NATIONAL OCEAN SURVEY (NOAA); 3 BOUYS, 7 UNDER-WATER SENSOR MODULES; 3 STATIONS MAY-JUL 1972
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	403200	OBS	10 PER HOUR	SURFACE TO BOTTOM PROFILE	ODESSA DATA BOUY SYSTEM; NATIONAL OCEAN SURVEY (NOAA); 3 BOUYS, 7 UNDER-WATER SENSOR MODULES; 3 STATIONS MAY-JUL 1972
TEMPERATURE	WATER	THERMISTOR	DEG C	403200	OBS	10 PER HOUR	SURFACE TO BOTTOM PROFILE	ODESSA DATA BOUY SYSTEM; NATIONAL OCEAN SURVEY (NOAA); 3 BOUYS, 7 UNDER-WATER SENSOR MODULES; 3 STATIONS MAY-JUL 1972
DEPTH	WATER	PRESSURE TRANSDUCER	METERS	403200	OBS	10 PER HOUR	SURFACE TO BOTTOM PROFILE	ODESSA DATA BOUY SYSTEM; NATIONAL OCEAN SURVEY (NOAA); 3 BOUYS, 7 UNDER-WATER SENSOR MODULES; 3 STATIONS MAY-JUL 1972
WATER LEVEL	WATER	RECORDING BUBBLER GAGE	FEET	237600	OBS	10 PER HOUR		REFERENCE TO MLW; 3 STATIONS
WIND SPEED	AIR	ANEMOMETER	KNOTS	46080	OBS	4 PER HOUR	ONE SENSOR 30 FT ABOVE GROUND, THE OTHER 60 FT	WESTINGHOUSE ENVIRONMENTAL MONITORING SYSTEMS; 2 STATIONS
WIND DIRECTION	AIR	DIRECTION VANE	DEGREES	46080	OBS	4 PER HOUR	ONE SENSOR 30	WESTINGHOUSE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPT	REMARKS
							FT ABOVE GROUND, THE OTHER 60 FT	ENVIRONMENTAL MONITORING SYSTEMS; 2 STATIONS
TEMPERATURE	AIR	THERMISTOR	DEG C	46080	OBS	4 PER HOUR	ONE SENSOR 30 FT ABOVE GROUND, THE OTHER 60 FT	WESTINGHOUSE ENVIRONMENTAL MONITORING SYSTEMS; 2 STATIONS
PRECIPITATION AMOUNT	AIR	RAIN GAGE	INCHES	46080	OBS	4 PER HOUR	ONE SENSOR 30 FT ABOVE GROUND, THE OTHER 60 FT	WESTINGHOUSE ENVIRONMENTAL MONITORING SYSTEMS; 2 STATIONS
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	KNOTS	71280	OBS	8 PT 25 PER HOUR	SURFACE AND BOTTOM	2 STATIONS; HYDRO PRODUCTS SELF RECORDING CURRENT METER JAN-APR 1972
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	71280	OBS	8 PT 25 PER HOUR	SURFACE AND BOTTOM	2 STATIONS; HYDRO PRODUCTS SELF RECORDING CURRENT METER JAN-APR 1972
TEMPERATURE	WATER	THERMISTOR	DEG C	71280	OBS	8 PT 25 PER HOUR	SURFACE AND BOTTOM	2 STATIONS; HYDRO PRODUCTS SELF RECORDING CURRENT METER JAN-APR 1972
PH	WATER	SPECIFIC ION ELECTRODE	UNITS	625	OBS	HOURLY	SURFACE TO BOTTOM AT 5 DEPTHS	HYDROLAB CORP SURVEYOR SYSTEM 5-28 HOUR DATA GATHERING OPERATIONS ATONE FIXED STATION
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MG PER LITER	625	OBS	HOURLY	SURFACE TO BOTTOM AT 5 DEPTHS	HYDROLAB CORP SURVEYOR SYSTEM 5-28 HOUR DATA GATHERING OPERATIONS ATONE FIXED STATION
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	625	OBS	HOURLY	SURFACE TO BOTTOM AT 5 DEPTHS	HYDROLAB CORP SURVEYOR SYSTEM 5-28 HOUR DATA GATHERING OPERATIONS ATONE FIXED STATION

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CHLORIDE	WATER	SPECIFIC ION ELECTRODE	PARTS PER THOUSAND	625	OBS	HOURLY	SURFACE TO BOTTOM AT 5 DEPTHS	HYDROLAB CORP SURVEYOR SYSTEM 5-28 HOUR DATA GATHERING OPERATIONS ATONE FIXED STATION
TEMPERATURE	WATER	THERMISTOR	DEG C	625	OBS	HOURLY	SURFACE TO BOTTOM AT 5 DEPTHS	HYDROLAB CORP SURVEYOR SYSTEM 5-28 HOUR DATA GATHERING OPERATIONS ATONE FIXED STATION
PH	WATER	SPECIFIC ION ELECTRODE	UNITS	180	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	LONGITUDINAL TRANSECT OF CHESTER RIVER; 9 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MG PER LITER	180	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	LONGITUDINAL TRANSECT OF CHESTER RIVER; 9 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
SALINITY	WATER	CONDUCTIVITY	MG PER LITER	180	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	LONGITUDINAL TRANSECT OF CHESTER RIVER; 9 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
CHLORIDE	WATER	SPECIFIC ION ELECTRODE	403200	180	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	LONGITUDINAL TRANSECT OF CHESTER RIVER; 9 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
TEMPERATURE	WATER	THERMISTOR	180	180	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	LONGITUDINAL TRANSECT OF CHESTER RIVER; 9 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
PH	WATER	SPECIFIC ION ELECTRODE	UNITS	195	OBS		SURFACE TO BOTTOM AT 5	TRANSVERSE TRANSECTS OF

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
							DEPTHS	CHESTER RIVER 13 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MG PER LITER	195	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	TRANSVERSE TRANSECTS OF CHESTER RIVER 13 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	195	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	TRANSVERSE TRANSECTS OF CHESTER RIVER 13 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
CHLORIDE	WATER	SPECIFIC ION ELECTRODE	403200	195	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	TRANSVERSE TRANSECTS OF CHESTER RIVER 13 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM
TEMPERATURE	WATER	THERMISTOR	DEG C	195	OBS		SURFACE TO BOTTOM AT 5 DEPTHS	TRANSVERSE TRANSECTS OF CHESTER RIVER 13 STATIONS, 5 TIMES HYDROLAB CORP SURVEYOR SYSTEM

DATA COLLECTED: MARCH 1973 TO SEPTEMBER 1973 RECEIVED: MARCH 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, LOWER CHESAPEAKE BAY AND TRIBUTARIES

ABSTRACT:
CURRENT SPEED AND DIRECTION MEASUREMENTS WERE MADE EVERY TWENTY MINUTES FOR FIVE DAY PERIODS AT APPROXIMATELY 100 STATIONS IN THE LOWER CHESAPEAKE BAY, RAPPAHANNOCK, YORK, JAMES, ELIZABETH, BACK, POQUOSON, PIANKATANK, GREAT WICOMOCO RIVERS. STATIONS WERE VISITED ONCE OR TWICE DURING 1973.
(SALINITY, WATER TEMPERATURE, DISSOLVED OXYGEN MEASUREMENTS AVAILABLE FROM VIMS HYDRO DATA BASE BY STATION)

DATA AVAILABILITY:
PERMISSION OF GRANTING AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
ONE MAGNETIC TAPE; ONE NOTEBOOK OF 200 PRINTOUT SHEETS

FUNDING:
RANN; CORPS OF ENGINEERS; COMBINED STATE AGENCIES OF VIRGINIA

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN JACOBSON 804 642 2111 X95
VIRGINIA INSTITUTE OF MARINE SCIENCE,OCEANOGRAPHY
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766 730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	100	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	33000	OBS	EVERY TWENTY MINUTES		SAMPLING CONTINUES FOR FIVE DAY PERIODS
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	FEET PER SECOND	100000	OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	SAMPLING CONTINUES FOR FIVE DAY PERIODS
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	100000	OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER	SAMPLING CONTINUES FOR FIVE DAY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
						INTERVALS	PERIODS

51

042

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, LOWER CHESAPEAKE BAY, JAMES, YORK, RAPPAHANNOCK RIVERS

ABSTRACT:
CURRENT SPEED AND DIRECTION MEASUREMENTS WERE MADE EVERY TWENTY MINUTES AT 25 STATIONS IN THE LOWER CHESAPEAKE BAY, JAMES, YORK, AND RAPPAHANNOCK RIVERS FOR PERIODS RANGING FROM THREE DAYS TO ONE MONTH DURING 1972.
(SALINITY, WATER TEMPERATURE, DISSOLVED OXYGEN MEASUREMENTS AVAILABLE FROM VIMS HYDRO DATA BASE BY STATION)

DATA AVAILABILITY:
PERMISSION OF GRANTING AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
ONE REEL MAGNETIC TAPE; ONE NOTEBOOK OF 200 PRINTOUT SHEETS

FUNDING:
RANN; CORPS OF ENGINEERS

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN JACOBSON 804 642 2111 X95
VIRGINIA INSTITUTE OF MARINE SCIENCE,OCEANOGRAPHY
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	25	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	15000	OBS	EVERY TWENTY MINUTES		SAMPLING CONTINUES FROM THREE DAYS TO ONE MONTH DEPENDING UPON STATION
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	FEET PER SECOND	50000	OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	SAMPLING CONTINUES FROM THREE DAYS TO ONE MONTH DEPENDING UPON STATION

043
52

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	50000	OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	SAMPLING CONTINUES FROM THREE DAYS TO ONE MONTH DEPENDING UPON STATION

53^

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001496

HYDROGRAPHIC STUDIES OI JAMES RIVER; CURRENT METER DATA, 1971
DATA COLLECTED: JUNE 1971 TO AUGUST 1971

RECEIVED: MARCH 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, JAMES RIVER

ABSTRACT:
CURRENT SPEED AND DIRECTION MEASUREMENTS WERE MADE EVERY TWENTY MINUTES AT STATIONS LOCATED IN FOURTEEN TRANSECTS OF THE JAMES RIVER. EACH SAMPLING PERIOD WAS FOR APPROXIMATELY FIVE DAYS AND ALL TRANSECTS WERE SAMPLED TWICE DURING 1971.
(SALINITY, WATER TEMPERATURE, DISSOLVED OXYGEN MEASUREMENTS AVAILABLE FROM VIMS HYDRO DATA BASE BY STATION)

DATA AVAILABILITY:
PERMISSION OF GRANTING AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
ONE REEL MAGNETIC TAPE; ONE NOTEBOOK OF 200 PRINTOUT SHEETS

FUNDING:
CORPS OF ENGINEERS; COMBINED STATE AGENCIES OF VIRGINIA

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN JACOBSON 804 642 2111 X95
VIRGINIA INSTITUTE OF MARINE SCIENCE,OCEANOGRAPHY
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	14	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	25000	OBS	EVERY TWENTY MINUTES		SAMPLING CONTINUES FOR APPROXIMATELY A FIVE DAY PERIOD AT EACH STATION
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	FEET PER SECOND	75000	OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	SAMPLING CONTINUES FOR APPROXIMATELY A FIVE DAY PERIOD AT EACH STATION

045
54A

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	75000	OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	SAMPLING CONTINUES FOR APPROXIMATELY A FIVE DAY PERIOD AT EACH STATION

55<

046

HYDROGRAPHIC STUDIES OF CHESAPEAKE BAY: CURRENT METER DATA, 1970
DATA COLLECTED: MAY 1970 TO AUGUST 1970

RECEIVED: MARCH 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, MOBJACK BAY, RAPPAHANNOCK RIVER

ABSTRACT:
CURRENT SPEED AND DIRECTION MEASUREMENTS WERE MADE EVERY TWENTY MINUTES AT STATIONS LOCATED ALONG 29 TRANSECTS OF THE RAPPAHANNOCK RIVER AND MOBJACK BAY. EACH SAMPLING PERIOD WAS FOR APPROXIMATELY TWO WEEKS, WITH ONE SAMPLING PERIOD PER TRANSECT.
(SALINITY, WATER TEMPERATURE, DISSOLVED OXYGEN MEASUREMENTS AVAILABLE FROM VIMS HYDRO DATA BASE BY STATION)

DATA AVAILABILITY:
PERMISSION OF GRANTING AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
ONE REEL MAGNETIC TAPE; ONE NOTEBOOK OF 200 PRINTOUT SHEETS

FUNDING:
CORPS OF ENGINEERS; COMBINED STATE AGENCIES OF VIRGINIA

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN JACOBSON 804 642 2111 X95
VIRGINIA INSTITUTE OF MARINE SCIENCE,OCEANOGRAPHY
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	29	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	25000	OBS	EVERY TWENTY MINUTES		SAMPLING CONTINUES FOR APPROXIMATELY A TWO WEEK PERIOD AT EACH STATION
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	FEET PER SECOND	75000	OBS	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	SAMPLING CONTINUES FOR APPROXIMATELY A TWO WEEK PERIOD AT EACH

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	75000	08S	EVERY TWENTY MINUTES	SURFACE TO BOTTOM AT THREE METER INTERVALS	STATION SAMPLING CONTINUES FOR APPROXIMATELY A TWO WEEK PERIOD AT EACH STATION

57

048

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., PATUXENT RIVER ESTUARY

ABSTRACT:
SHORT-TERM CONCENTRATIONS AND FLUXES OF CHEMICAL AND BIOLOGICAL COMPONENTS WERE STUDIED IN THE PATUXENT RIVER ESTUARY ACROSS NINE TRANSECTS OVER A TWENTY-FIVE HOUR PERIOD.

DATA AVAILABILITY:
AFTER DECEMBER 1974

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
ONE 2000 FT REEL OF NINE-TRACT MAGNETIC TAPE

FUNDING:
U.S. ARMY CORP OF ENGINEERS AND OTHERS

INVENTORY:

PUBLICATIONS:

CONTACT:
CURTIS D. MOBLEY 301 454 2708
DEPARTMENT OF METEOROLOGY
UNIVERSITY OF MARYLAND
COLLEGE PARK MARYLAND USA 20742

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	17	STATIONS			NINE TRANSECTS AT 4 MILE INTERVALS
TIME	EARTH	STATION TIME	YMDH	425	OBS	HOURLY		25 HOUR STUDY
CURRENT SPEED	WATER	IMPELLOR METER	FT PER SECOND	2550	OBS	EVERY 10 MINUTES	SURFACE TO BOTTOM AT 10 FT INTERVALS	
CURRENT DIRECTION	WATER	IMPELLOR METER	DEG	2550	OBS	EVERY 10 MINUTES	SURFACE TO BOTTOM AT 10 FT INTERVALS	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	

019
58A

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TEMPERATURE	WATER	THERMISTOR	DEG C	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	
CHLOROPHYLL A	WATER	FLUOROMETRY	UG PER LITER	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MG PER LITER	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	MG PER LITER	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	
ORGANIC PHOSPHORUS	DISSOLVED	SPECTROPHOTOMETRY	MG PER LITER	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	
NITRATE PLUS NITRITE	WATER	AUTOANALYZER	MG PER LITER	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	
AMMONIA	WATER	AUTOANALYZER	MG PER LITER	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	
KJELDAHL NITROGEN	WATER	AUTOANALYZER	MG PER LITER	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	
ORGANIC CARBON	SUSPENDED	WET COMBUSTION/ INFRARED SPECTROMETRY	MG PER LITER	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	
ORGANIC CARBON	DISSOLVED	WET COMBUSTION/ INFRARED SPECTROMETRY	MG PER LITER	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	
PHOSPHORUS	WATER	AUTOANALYZER	MG PER LITER	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	HYDROLYZABLE FRACTION
TOTAL CHLOROPHYLL	WATER	FLUOROMETRY	UG PER LITER	425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	
HEAT FLUX	WATER	CALCULATED		425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	
SALINITY FLUX	WATER	UNKNOWN		425	OBS	HOURLY	SURFACE TO BOTTOM AT 10 FT INTERVALS	

001692

RHODE AND WEST RIVER TEMPERATURE AND CONDUCTIVITY RECORDS
DATA COLLECTED: MARCH 1972 TO PRESENT

RECEIVED: MARCH 28, 1974

PROJECTS:
RHODE RIVER ESTUARY STUDY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, COASTAL, MARYLAND, RHODE RIVER, WEST RIVER

ABSTRACT:
FIELD DATA ON TEMPERATURE AND CONDUCTIVITY FROM 25 STATIONS IN THE RHODE AND WEST RIVERS, MARYLAND. VERTICAL PROFILES FOR SALT BALANCE MODELING OF SYSTEM. DATA TO BE INCORPORATED INTO CBI DATA BANK BY 1975.

DATA AVAILABILITY:
UPON REQUEST AND WITH COST OF RETRIEVAL OR DUPLICATION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
PUNCHED CARDS
10000 PUNCHED CARDS

FUNDING:
NATIONAL SCIENCE FOUNDATION

INVENTORY:

PUBLICATIONS:

CONTACT:
GREGORY HAN 301 366 3300 X770
JOHNS HOPKINS UNIVERSITY
MACAULAY HALL
BALTIMORE MARYLAND USA 21218

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2000	OBS			
TIME	EARTH	STATION TIME	YMDHL, 10 MINUTE	2000	OBS			
TIME	EARTH	STATION TIME	YMDHL, 10 MINUTE	2000	OBS			
DEPTH	WATER	WIRE LENGTH	METERS	8000	OBS			DEPTH OF SAMPLE, AN AVERAGE OF 4 SAMPLES PER STATIONS
TEMPERATURE	WATER	THERMISTOR	DEG C	8000	OBS			INTER OCEAN IN SITU HEAD

61

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL/TEMPERATURE CORRECTED	MILLI MHO PER CM	8000 OBS			INTER OCEAN IN SITU HEAD

052

001696 ECOLOGICAL STUDY OF THE DELAWARE RIVER IN THE VICINITY OF ARTIFICIAL ISLAND PAGE 01
PROGRESS REPORT FOR JUNE-DECEMBER 1968
DATA COLLECTED: JUNE 1968 TO DECEMBER 1968 RECEIVED: MARCH 28, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., DELAWARE RIVER

ABSTRACT:
EXTENSIVE FISH DATA FOR THE DELAWARE RIVER IN THE VICINITY OF ARTIFICIAL ISLAND IS PRESENTED. DATA ANALYSIS RELATIVE TO IMPACT OF SALEM NUCLEAR POWER STATION ON FISH COMMUNITY. DATA COVERAGE JUNE THROUGH DECEMBER 1968. HYDROGRAPHIC INFORMATION, FISH SPECIES LIST, ABUNDANCE, LENGTH, AND STATION SIMILARITY COMPARISONS PRESENTED. SAMPLING GEAR INCLUDED 16 FOOT TRAWL, BEACH SEINE, FYKE NET AND PLANKTON NET. PROJECT TO CONTINUE FOR SEVERAL YEARS AND INCREASE IN SCOPE. (AVAILABLE AS PROGRESS REPORT UNDER TITLE OF FILE)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS; REPORTS
292 PAGE MIMEOGRAPH REPORT WITH ALL RAW DATA

FUNDING:
PUBLIC SERVICE ELECTRIC AND GAS COMPANY

INVENTORY:

PUBLICATIONS:

CONTACT:
VICTOR J. SCHULER 302 378 8652
ICHTHYOLOGICAL ASSOCIATES
BOX 35 RD 2
MIDDLETOWN DELAWARE USA 19709

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	685	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	685	STATIONS			
TIDAL PERIOD	WATER	TABLES	FLOOD, EBB, OR SLACK	685	OBS			
TIDAL CURRENT DIRECTION	WATER	WIRE ANGLE	COMPASS POINTS	685	OBS			
TIME	EARTH	STATION TIME	YMDHL	685	OBS			
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	685	OBS		SURFACE	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG C	685	OBS			
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	685	OBS		SURFACE	
DISSOLVED OXYGEN GAS	WATER	TITRATION	PARTS PER MILLION	665	OBS		SURFACE	AZIDE MODIFICATION
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	INCHES	685	OBS			
DEPTH	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	FEET	531	OBS		BOTTOM	TRAWL STATIONS
DEPTH	WATER	VISUAL	FEET	154	OBS		BOTTOM	FYKE AND SEINE STATIONS
COMMERCIAL FISHERIES ACTIVITIES	WATER	VISUAL	NUMBER OF CRAB POTS	6	OBS	MONTHLY		INDEX OF FISHERY EFFORTS IN STUDY AREA
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	477	OBS		BOTTOM	16 FOOT SEMI-BALLOON TRAWL, 37 SPECIES ENCOUNTERED, 115474 INDIVIDUALS CAPTURED IN SURVEY
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	477	OBS			16 FOOT SEMI-BALLOON TRAWL, 37 SPECIES ENCOUNTERED, 115474 INDIVIDUALS CAPTURED IN SURVEY
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	477	OBS		BOTTOM	CRABS, SHRIMPS, OTHER INVERTEBRATES CAPTURED IN TRAWL
SPECIES DETERMINATION OF PELAGIC ANIMALS	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	477	OBS			JELLYFISH AND CTENOPHORES IN TRAWL SAMPLES
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SAMPLE BY SPECIES	477	OBS		BOTTOM	CRABS, SHRIMPS, OTHER INVERTEBRATES CAPTURED IN TRAWL
COUNT OF PELAGIC	WATER	VISUAL	NUMBER PER SAMPLE BY	477	OBS			JELLYFISH AND CTENOPHORES IN

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS			SPECIES					TRAWL SAMPLES
LENGTH OF BENTHIC ANIMALS	BOTTOM	DIRECT	MILLIMETERS WIDTH	477	OBS			BLUE CRABS IN TRAWL SAMPLE
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	477	OBS			16 FOOT SEMI-BALLOON TRAWL, 37 SPECIES ENCOUNTERED, 115474 INDIVIDUALS CAPTURED IN SURVEY
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	477	OBS			16 FOOT SEMI-BALLOON TRAWL, 37 SPECIES ENCOUNTERED, 115474 INDIVIDUALS CAPTURED IN SURVEY
COMMUNITY STRUCTURE ANALYSIS	WATER	CALCULATED	RANK ABUNDANCE, STATIONS HOMOGENEITY, FAGER INDEX	477	OBS			BY STATIONS, BY MONTH, BY SAMPLE STRATUM, BY YEAR
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	125	OBS			BEACH SEINE SURVEY, 9 STATIONS, 34 SPECIES TOTAL, 25 AND 75 FOOT SEINES WITH 1/4 INCH BAR MESH, INCLUDES 24 HOUR STATIONS AT AUGUSTINE BEACH WITH SAMPLE EACH 3 HOURS, 16784 INDIVIDUAL FISH TAKEN
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	125	OBS			BEACH SEINE SURVEY, 9 STATIONS, 34 SPECIES TOTAL, 25 AND 75 FOOT SEINES WITH 1/4 INCH BAR MESH, INCLUDES 24 HOUR STATIONS AT AUGUSTINE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							BEACH WITH SAMPLE EACH 3 HOURS, 16784 INDIVIDUAL FISH TAKEN
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	125 OBS			BEACH SEINE SURVEY, 9 STATIONS, 34 SPECIES TOTAL, 25 AND 75 FOOT SEINES WITH 1/ 4 INCH BAR MESH, INCLUDES 24 HOUR STATIONS AT AUGUSTINE BEACH WITH SAMPLE EACH 3 HOURS, 16784 INDIVIDUAL FISH TAKEN
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	125 OBS			BEACH SEINE SURVEY, 9 STATIONS, 34 SPECIES TOTAL, 25 AND 75 FOOT SEINES WITH 1/ 4 INCH BAR MESH, INCLUDES 24 HOUR STATIONS AT AUGUSTINE BEACH WITH SAMPLE EACH 3 HOURS, 16784 INDIVIDUAL FISH TAKEN
COMMUNITY STRUCTURE ANALYSIS	WATER	CALCULATED	RANK ABUNDANCE, STATIONS HOMOGENEITY, FAGER INDEX	125 OBS			BY STATIONS, BY MONTH, BY SAMPLE STRATUM, BY YEAR
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	29 OBS			FYKE NET SURVEY, 12 STATIONS, 29 SETS OF GEAR, 18 SPECIES TOTAL, 2399 INDIVIDUAL FISH
SPECIES DETERMINATION	WATER	KEY	NUMBER OF SPECIES PER	29 OBS			FYKE NET SURVEY, 12

65A

056

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF PELAGIC FISH			SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES				STATIONS, 29 SETS OF GEAR, 18 SPECIES TOTAL, 2399 INDIVIDUAL FISH
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	29 OBS			FYKE NET SURVEY, 12 STATIONS, 29 SETS OF GEAR, 18 SPECIES TOTAL, 2399 INDIVIDUAL FISH
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	29 OBS			FYKE NET SURVEY, 12 STATIONS, 29 SETS OF GEAR, 18 SPECIES TOTAL, 2399 INDIVIDUAL FISH
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	NUMBER OF SPECIES PER SAMPLE AND PER STRATUM FOR MULTIPLE SAMPLES	54 OBS		SURFACE	500 MICRON MESH, 1 METER DIAMETER NET, TOWED 10 MINUTES PER STATION, 54 STATIONS, FISH LARVAE AND MACROZOOPLANKTON SORTED
COUNT OF ZOOPLANKTON	WATER	VISUAL	NUMBER PER SAMPLE BY SPECIES	54 OBS		SURFACE	500 MICRON MESH, 1 METER DIAMETER NET, TOWED 10 MINUTES PER STATION, 54 STATIONS, FISH LARVAE AND MACROZOOPLANKTON SORTED
TAXONOMIC LIST OF ZOOPLANKTON	WATER	KEY	ORDER LIST FOR MACROZOOPLANKTERS	54 OBS		SURFACE	AMPHIPODS, COPEPODS, ISOPODS, DECAPODS AND INCIDENCE

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, NORTH ATLANTIC, VIRGINIA EASTERN SHORE, ASSATEAGUE ISLAND, CHINCOTEAGUE ISLAND, WALLOPS ISLAND

ABSTRACT:
SEDIMENT MOVEMENT WITHIN SELECTED AREAS OF THE EASTERN SHORE OF VIRGINIA IS STUDIED.

DATA AVAILABILITY:
AVAILABLE AFTER JUNE 1974

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
PUNCHED CARDS; DATA SHEETS
SEVERAL HUNDRED PUNCHED CARDS

FUNDING:
WEST VIRGINIA UNIVERSITY

INVENTORY:

PUBLICATIONS:

CONTACT:
MONTY NOCK 304 293 5603
DEPARTMENT OF GEOLOGY AND GEOGRAPHY
WEST VIRGINIA UNIVERSITY
MORGANTOWN WEST VIRGINIA USA 26506

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	8	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	10	OBS			NUMBER OF OBS DEPENDANT ON PARAMETER
BATHYMETRY	WATER	CORRECTED SOUNDING DEPTH	FEET	4	OBS			INLET PROFILE
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	FEET PER SECOND	6	OBS			
CURRENT DIRECTION	WATER	DIRECTION VANE	EBB OR FLOOD	6	OBS			
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	MG PER LITER	10	OBS	MONTHLY		
WAVE AMPLITUDE	WATER	FIXED STAFF, VISUAL	FEET	10	OBS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPT	REMARKS
WAVE DIRECTION	WATER	VISUAL	COMPASS DIRECTION	10 OBS	MONTHLY		
WAVE SPEED	WATER	VISUAL	NUMBER PER MINUTE	10 OBS	MONTHLY		

0554

68A

001737

CHESTER RIVER STUDY
DATA COLLECTED: FEBRUARY 1972 TO JUNE 1972

RECEIVED: MAY 01, 1976

69

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, CHESTER RIVER

ABSTRACT:
CURRENT METER RECORDS COLLECTED DURING THE CHESTER RIVER STUDY FEBRUARY THRU JUNE 1972. 5 CURRENT METER STATIONS WERE ESTABLISHED. SAMPLING OCCURED IN VARIOUS DEPTHS OF WATER WITH EACH STATION HAVING AS MANY AS 3 METERS DEPENDING ON WATER DEPTH. FILE CONTAINS EXACT INFORMATION ON POSITION, TYPE AND NUMBER OF METERS PER STATION, DURATION IN DAYS OF OPERATION, WATER DEPTH, DEPTH OF METER, DAYS OF OPERATION, CURRENT SPEED AND DIRECTION, TEMPERATURE AND CONDUCTIVITY OF WATER. PROJECT WAS A JOINT VENTURE OF THE STATE OF MARYLAND, WESTINGHOUSE ELECTRIC CORPORATION AND NOAA/ERL. ODESSA METERS WERE USED THROUGHOUT SURVEY.
(ACTUAL POSITION OF STATIONS RECORDED IN DEGREES AND MINUTES TO HUNDRETHS)

DATA AVAILABILITY:
DATA IS AVAILABLE ON MAGNETIC TAPE OR AS PRINTOUT FOR COST OF SERVICES

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
ONE REEL OF MAGNETIC TAPE

FUNDING:
STATE OF MARYLAND AND WESTINGHOUSE ELECTRIC CORPORATION

INVENTORY:

0510

PUBLICATIONS:
TIDAL CURRENT TABLES, ATLANTIC COAST, 1974

CONTACT:
CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301 496 8050
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	CLOCK TIME	YMDHL	100423	OBS	APPROXIMATELY 1 EVERY 6 MINUTES		TIME RECORDED TO HUNDRETHS OF A MINUTE
POSITION	EARTH	FIXED POINT	DMH	5	OBS	ONCE PER STATION		
DEPTH	WATER	WIRE LENGTH	FEET	5	OBS	ONCE PER STATION	BOTTOM	MEASURED AS LENGTH OF BUOY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIDAL CURRENT SPEED	WATER	SAVONIUS ROTOR METER	KNOTS TO TENTHS	100423	OBS	APPROXIMATELY 1 EVERY 6 MINUTES	SENSOR DEPTH VARIES WITH WATER DEPTH	WIRE UP TO 3 SENSORS PER STATION
TIDAL CURRENT DIRECTION	WATER	DIRECTION VANE	NEAREST DEGREE	100423	OBS	APPROXIMATELY 1 EVERY 6 MINUTES	SENSOR DEPTH VARIES WITH WATER DEPTH	UP TO 3 SENSORS PER STATION
TEMPERATURE	WATER	THERMISTOR	DEG C	100423	OBS	APPROXIMATELY 1 EVERY 6 MINUTES	SENSOR DEPTH VARIES WITH WATER DEPTH	UP TO 3 SENSORS PER STATION
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL	MILLIMHOS/CM	100423	OBS	APPROXIMATELY 1 EVERY 6 MINUTES	SENSOR DEPTH VARIES WITH WATER DEPTH	UP TO 3 SENSORS PER STATION
DEPTH	WATER	PRESSURE TRANSDUCER	FEET	100423	OBS	APPROXIMATELY 1 EVERY 6 MINUTES		RECORDED AS SENSOR DEPTH

190

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001756

TIDAL CURRENTS, VIRGINIA
DATA COLLECTED: MAY 1934 TO APRIL 1966

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, YORK, JAMES, AND RAPPAHANNOCK, VIRGINIA

ABSTRACT:
6 SURVEYS OF THE VIRGINIA COAST, AND THE YORK, JAMES, AND RAPPAHANNOCK RIVERS. OBSERVATIONS WERE OBTAINED BY THE USE OF CURRENT POLES, AND ROBERTS RADIO CURRENT METERS.

DATA AVAILABILITY:
DATA SHEETS, AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
SHIP; BUOY

ARCHIVE MEDIA:
DATA SHEETS
APPROXIMATELY 1000 PAGES OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:
TIDAL CURRENTS, VIRGINIA. WYMAN HARRISON. U.S. COASTAL ENGINEERING RESEARCH CENTER, 1964

CONTACT:
CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301 496 8501
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
73077423 73076543 73076533 73076534 73076542 73077504 73076555 73076651 73077601 73077603 73077644 73077643 73077613 73077624

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMT	55	STATIONS	1 PER STATION		
TIME	EARTH	CLOCK TIME	YMDHML	20000	OBS	HALF HOURLY		
TIDAL CURRENT SPEED	WATER	DRIFT DEVICE	KNOTS	10000	OBS	HALF HOURLY	SURFACE	CURRENT POLE
TIDAL CURRENT SPEED	WATER	IMPELLOR METER	KNOTS	10000	OBS	HALF HOURLY	1 TO 30 FEET	ROBERTS RADIO CURRENT METER
TIDAL CURRENT DIRECTION	WATER	DRIFT DEVICE	DEGREES TRUE	10000	OBS	HALF HOURLY	DRIFT DEVICE	CURRENT POLE
TIDAL CURRENT DIRECTION	WATER	IMPELLOR METER	DEGREES TRUE	10000	OBS	HALF HOURLY	1 TO 30 FEET	ROBERTS RADIO CURRENT METER

001758

TIDAL CURRENTS, CHESAPEAKE BAY
DATA COLLECTED: AUGUST 1917 TO AUGUST 1965

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, MARYLAND, VIRGINIA, CHESAPEAKE BAY.

ABSTRACT:
VARIOUS CURRENT SURVEYS OF THE CHESAPEAKE BAY AND MAJOR TRIBUTARIES WERE CONDUCTED IN THE YEARS 1917 TO 1965. MOST STATIONS WERE OCCUPIED FOR AN AVERAGE OF 4 DAYS WITH HALF HOURLY SAMPLES. SAMPLING DEVICES USED INCLUDE CURRENT POLES, PRICE CURRENT METERS, EKMAN CURRENT METERS, ROBERTS RADIO CURRENT METERS, AND VON ARX CURRENT METERS.
(EXACT STATION LOCATION GIVEN IN DEGREES TO TENTHS OF LAT. AND LONG. RANGES AND BEARINGS TO LANDMARKS ALSO GIVEN.)

DATA AVAILABILITY:
DATA SHEETS AVAILABLE AT COST OF REPRODUCTION. SPECIAL PUB. 162, OUT OF PRINT, CHECK LIBRARY.

PLATFORM TYPES:
SHIP; BUOY

ARCHIVE MEDIA:
DATA SHEETS
APPROXIMATELY 1 FILE DRAWER OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:
SPECIAL PUB. NO. 162, TIDES AND CURRENTS IN CHESAPEAKE BAY AND TRIBUTARIES. 1930

CONTACT:
CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301 496 8501
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
730765 730766 730767 730775 730776 730777 730785 730786 730787 730795 730796 730797 740705 740706 740707

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMT	416	STATIONS	1 PER STATION		
TIME	EARTH	CLOCK TIME	YMDHML	80000	OBS	HALF HOURLY		
TIDAL CURRENT SPEED	WATER	DRIFT DEVICE	KNOTS	10000	OBS	HALF HOURLY	SURFACE	CURRENT POLE
TIDAL CURRENT SPEED	WATER	IMPELLOR METER	KNOTS	70000	OBS	HALF HOURLY	1 TO 60 FEET	PRICE, ROBERTS RADIO, VON ARX, EKMAN CURRENT METERS
TIDAL CURRENT DIRECTION	WATER	DRIFT DEVICE	DEGREES TRUE	10000	OBS	HALF HOURLY	SURFACE	CURRENT POLE
TIDAL CURRENT	WATER	IMPELLOR METER	DEGREES TRUE	50000	OBS	HALF HOURLY	1 TO 60 FEET	ROBERTS RADIO.

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DIRECTION							EKMAN, AND VON ARX CURRENT METERS

TIDAL CURRENTS, DELAWARE BAY AND RIVER
DATA COLLECTED: AUGUST 1924 TO NOVEMBER 1959

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, DELAWARE, DELAWARE BAY, DELAWARE RIVER

ABSTRACT:
A SERIES OF 5 SURVEYS OF THE DELAWARE BAY AND RIVER WERE MADE FROM 1924 TO 1959. 42 STATIONS WERE SAMPLED IN 1924 USING CURRENT POLES AND PRICE CURRENT METERS. IN 1929 A SURVEY WAS CONDUCTED BY THE ARMY CORPS OF ENGINEERS OF THE INDIAN RIVER INLET. IN 1947, 62 STATIONS IN THE BAY WERE SAMPLED AGAIN USING CURRENT POLES AND PRICE CURRENT METERS. THE 1953 SURVEY OF THE BAY USES 26 STATIONS SAMPLED WITH CURRENT POLES, PRICE METERS AND USUALLY ONE ROBERTS RADIO CURRENT METER PER STATION. IN 1959, 2 STATIONS WERE SAMPLED FROM THE BAY ENTRANCE AND 2 FROM THE RIVER ENTRANCE.
(EXACT STATION LOCATION IN DEGREES LAT. AND LONG. TO TENTHS. RANGES AND BEARINGS TO LANDMARKS ALSO GIVEN.)

DATA AVAILABILITY:
DATA SHEETS, AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
SHIP; BUOY

ARCHIVE MEDIA:
DATA SHEETS
APPROXIMATELY 1300 PAGES OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:
TIDAL CURRENT CHARTS, DELAWARE BAY AND RIVER. U.S.C. AND G.S. 1948, TIDES AND CURRENTS IN DELAWARE BAY AND RIVER. L.M. ZESKIND. 1926. SPECIAL PUB. NO 123

CONTACT:
CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301 496 8501
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
73078445 73078540 73078541 73078542 73078543 73078455 73078550 73078551 73078552 73078553 73079405 73079500 73079501 73079502
73079503 73079451 73079510 73079511 73079512 73079513 73079425 73079520 73079521 73079522 73079523 73079435 73079530 73079531
73079532 73079533

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMT	135	STATIONS	1 PER STATION		
TIME	EARTH	CLOCK TIME	YMDHML	20000	OBS	HALF HOURLY		AVERAGE 3 DAYS OBS. PER STATION
TIDAL CURRENT SPEED	WATER	DRIFT DEVICE	KNOTS	5000	OBS	HALF HOURLY	SURFACE	CURRENT POLE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIDAL CURRENT SPEED	WATER	IMPELLOR METER	KNOTS	15000	OBS	HALF HOURLY	7 TO 65 FEET	PRICE AND ROBERTS RADIO CURRENT METERS
TIDAL CURRENT DIRECTION	WATER	DRIFT DEVICE	DEGREES TRUE	5000	OBS	HALF HOURLY	SURFACE	CURRENT POLE
TIDAL CURRENT DIRECTION	WATER	IMPELLOR METER	DEGREES TRUE	5000	OBS	HALF HOURLY	7 TO 65 FEET	ROBERTS RADIO CURRENT METER

990

HYDROGRAPHIC SURVEYS

DATA COLLECTED: 1834 TO PRESENT

RECEIVED: FEBRUARY 28, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S., COASTAL, MAINE, NEW HAMPSHIRE, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, NEW YORK, NEW JERSEY, PENNSYLVANIA, DELAWARE, MARYLAND, DISTRICT OF COLUMBIA, VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, FLORIDA, ALABAMA, MISSISSIPPI, LOUISIANA, TEXAS, CALIFORNIA, OREGON, WASHINGTON, ALASKA, HAWAII

ABSTRACT:
DATA BASE CONSISTS OF OVER 23,000 INDIVIDUAL HYDROGRAPHIC SURVEYS SINCE 1834. THESE SURVEYS ARE RECORDED ON BOAT SHEETS ON THE VESSEL AS THE SURVEY IS TAKEN, THEN SENT TO THE HYDROGRAPHIC DATA SECTION FOR PROCESSING
(SURVEYS COVER ALL COASTAL U.S. AND POSSESSIONS.)

DATA AVAILABILITY:
AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
X-Y PLOTS
OVER 23,000 INDIVIDUAL SURVEY SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, HYDROGRAPHIC DATA SECTION, CODE 3233 301 496 8408
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
740648 740657 740647 740646 740656 740649 740639 740730 740720 740710 740619 740711 740712 740713 740702 740703 740704 740705
730794 730795 730796 730797 730784 730785 730786 730797 730775 730776 730777 730765 730766 730755 730756 730757 730746 730747
730748 730737 730738 730739 730810 730811 730801 720890 720891 720892 720893 720894 720895 720880 720881 720882 720870 720872
720860 720861 720862 720850 720851 720840 720841 720842 720985 720986 720987 720976 720977 720967 720957 731127 731128 731250
731251 731261 731262 731272 731281 731282 731283 731293 731284 741204 741214 741224 741234 741244 741253 741254 741263 741264
741272 741273 741274 741282 741283 741284 741285 7512 7513 7514 7515 7516 7517 7613 7614 7615 7616 7617 7713 7714 7715 7716
711595 711594 711595 711596 721505 721506 721507 731137 731138 731139 731230 731148 731149 731240 721516 721517 721518 721519
721610 721529 721620

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPT	REMARKS
POSITION	EARTH	VARIOUS	DMST	23000	OBS			DATA RECORDED ON BOAT SHEETS
TIME	EARTH	STATION TIME	YMDHM	23000	OBS			
BATHYMETRY	WATER	VARIOUS	MOSTLY FATHOMS OR FEET	23000	OBS		MEAN LOW OR MEAN LOWER LOW WATER TO BOTTOM	NUMBER OF OBS VARIES WITH EACH SURVEY AS DOES THE METHOD

8910

001827

SHELF OBSERVATIONS-HYDROGRAPHY, CRUISE OF AUGUST 21-26, 1962
DATA COLLECTED: AUGUST 1962 TO AUGUST 1962

RECEIVED: MARCH 03, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CONTINENTAL SHELF OFF CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
SURFACE TO BOTTOM PROFILES OF WATER TEMPERATURE, SALINITY AND DENSITY WERE OBTAINED AT 25 STATIONS IN THE CONTINENTAL SHELF WATERS OFF THE CHESAPEAKE BAY DURING AUGUST 1962. DISSOLVED OXYGEN LEVELS WERE MEASURED AT SURFACE AND BOTTOM DEPTHS, AND CURRENT DIRECTION WERE RECORDED.

DATA AVAILABILITY:
THE DATA ARE AVAILABLE IN THE FORM OF REPORTS FROM VIMS AT THE COST OF REPRODUCTION. THE RESULTS OF THE STUDY HAVE BEEN PUBLISHED IN THE VIMS SPECIAL SCIENTIFIC REPORT 41

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
839 OBS

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS SPECIAL SCIENTIFIC REPORT NO 41

CONTACT:
LIBRARIAN 703 642 2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	25	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	25	STATIONS			
DEPTH	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	FEET	25	OBS			
TEMPERATURE	WATER	THERMISTOR	DEG C	245	OBS		SURFACE TO BOTTOM PROFILE	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	245	OBS		SURFACE TO BOTTOM PROFILE	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DENSITY	WATER	CALCULATED AS SIGMA-T	SIGMA T	245	OBS		SURFACE TO BOTTOM PROFILE	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MG PER LITER	50	OBS		SURFACE AND BOTTOM	WINKLER
CURRENT DIRECTION	WATER	DRIFT DEVICE	RECOVERY LOCATION	29	OBS			

[illegible]

DIGITIZED PEAKS AND TROUGHS FROM PEN AND INK WAVE DATA
DATA COLLECTED: DECEMBER 1970 TO AUGUST 1971

RECEIVED: APRIL 01, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, ATLANTIC CITY NEW JERSEY, VIRGINIA BEACH VIRGINIA, NAGS HEAD NORTH CAROLINA, DAYTONA BEACH FLORIDA, CHESAPEAKE BAY BRIDGE TUNNEL, HOLDEN BEACH NORTH CAROLINA, WRIGHTSVILLE BEACH NORTH CAROLINA

ABSTRACT:
DATA INCLUDES DIGITIZED WAVE PEAKS AND TROUGHS FROM PEN AND INK WAVE RECORDS FOR 7 BEACHES ALONG THE EAST COAST OF THE UNITED STATES FOR A SHORT PERIOD OF TIME-LESS THAN ONE DAY EACH-DEC 14,15,16 1970,31 DEC 1970, 27 AUG 1971.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
PUNCHED CARDS
APPROXIMATELY 6730 PUNCHED CARDS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
GR E. THOMPSON / OCEANOGRAPHY BRANCH 202 325-7399
DEPARTMENT OF THE ARMY,COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR VIRGINIA USA 22060

GRID LOCATOR (LAT):
7307942215 7307655810 7307555365 7208900598 7307665087 7307385147 7307471427

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	7	STATIONS	1/STATION		
TIME	EARTH	CLOCK TIME	YMDHMS	3	DAYS	CONTINUOUS		
WAVE AMPLITUDE	WATER	ACCELEROMETER	FEET	2	OBS	PER WAVE CYCLE	SURFACE	PEAKS AND TROUGHS DIGITIZED

OCEAN WAVE DATA

DATA COLLECTED: MAY 1966 TO PRESENT

RECEIVED: APRIL 01, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, NORTH PACIFIC, U.S., COASTAL, VIRGINIA, NEW JERSEY, NORTH CAROLINA, GEORGIA, CALIFORNIA

ABSTRACT:
FILE CONTAINS RECORDS OF WAVE HEIGHTS FROM ATLANTIC CITY, NEW JERSEY; VIRGINIA BEACH VIRGINIA; NAGS HEAD, NORTH CAROLINA; DAYTONA BEACH, FLORIDA; LAKE WORTH FLORIDA; NAPLES FLORIDA; WRIGHTSVILLE BEACH NORTH CAROLINA; CHESAPEAKE BAY BRIDGE-TUNNEL VIRGINIA; HOLDEN JACK NORTH CAROLINA; SAVANNA LIGHT GEORGIA; DESTIN FLORIDA; POINT MUGU, HUNTINGTON BEACH CALIFORNIA. DATA IS RECEIVED FROM AUTOMATED WAVE GAGES. DATA IS BASIC WAVE DATA FOR ESTABLISHING WAVE CLIMATOLOGY AND FOR SPECIAL RESEARCH PROJECTS. APPLICATIONS PROGRAMS HAVE BEEN WRITTEN BY THE C.E.R.C. ADP STAFF FOR THE FOLLOWING FUNCTIONS: COMPUTES SPECTRA AND CROSS-SPECTRA OF TIME SERIES USING A FAST FOURIER TRANSFORM. SELECTS, EDITS, AND VERIFYS DATA RECORDS FOR FURTHER PROCESSING. COMPUTES DISTRIBUTION FUNCTION OF DATA POINTS AND SELECTED MOMENTS. COMPUTES SELECTED PARAMETERS OF ENERGY SPECTRUM. COMPUTES NORMALIZED ENERGY BAND SPECTRUM, ENERGY LINE SPECTRUM. SELECTES, SORTS, AND BLOCKS DATA BY LOCATION AND TIME, COMPUTES MEAN AND STANDARD DEVIATION OF EACH BLOCK OF DATA. COMPARES TWO SETS OF WAVE HEIGHTS AND PERIODS, FOR DATA OBTAINED FROM DIFFERING ANALYSIS METHODS FROM THE SAME GAGE, OR FROM TWO DIFFERENT LOCATIONS. COMPUTES JOINT DISTRIBUTION TABLES OF HEIGHTS, PERIOD AND HEIGHT-RATIO AND HEIGHT, PERIOD AND HEIGHT-RATIO STATISTICS. COMPUTES JOINT DISTRIBUTION TABLES OF WAVE HEIGHT VS PERIOD, HEIGHT VS. DEPTH, HEIGHT VS. TIME OF DAY, AND RATIO OF WAVE HEIGHT AT SURFACE TO DEPTH WITH PEAK PERIOD. COMPUTES SPECTRA AND SUMMARIZES BY BANDS. COMPUTES JOINT DISTRIBUTION OF WAVE HEIGHTS VS. PERIODS. LISTS DAILY SPECTRA AT SYNOPTIC TIMES. COMPUTES JOINT DISTRIBUTION TABLES OF HEIGHT AND PERIOD. COMPUTES SEASONAL AND ANNUAL SUMMARIES. PLOTS WAVE HEIGHT DISTRIBUTION CURVE ON SEMILOGRAPH. COMPUTES HEIGHTS AND PERIODS OF EACH WAVE. RANKS HEIGHTS AND COMPUTES CUMULATIVE FREQUENCY DISTRIBUTION. SCALES HEIGHTS AND PLOTS ON RAYLEIGH PAPER. COMPUTES TIME SERIES CORRESPONDING TO THEORETICAL FOURIER SPECTRA.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

PRODUCT MEDIA:
MAGNETIC TAPE DIGITAL
200 REELS OF TAPE

FUNDING:

LABORATORY:

PUBLICATIONS:

CONTACT:
DR. D.L. HARRIS / OCEANOGRAPHY BRANCH 202 325 7397
DEPARTMENT OF THE ARMY,COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR VIRGINIA USA 22060

GRID LOCATION (LAT):
7307942215 7307986366 7307655518 7311490079 7208900598 7208604032 7208610488 73082235 7307471427 7307665087 7307385147
7308185471 7311372589

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	CLOCK TIME	YMDHMST	1 OBS	ONE READING EVERY 1/4 SECOND		
POSITION	EARTH	FIXED POINT	DMS	13 STATIONS	ONE/STATION		
WAVE AMPLITUDE	WATER	ACCELEROMETER	FEET TO TENTHS	1 OBS	ONE READING EVERY 1/4 SECOND	SURFACE	

PROJECTS:

GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S., COASTAL, ATLANTIC CITY NEW JERSEY, ATLANTIC NORTH CAROLINA, CAPE DECISION ALASKA, CAPE FLATTERY WASHINGTON, CAPE HINCHINBROOK ALASKA, CAPE ST. ELIAS ALASKA, CAPE SAN BLAS FLORIDA, CAPE SARICHEF ALASKA, GRAND ISLE LOUISIANA, HAMPTON BEACH NEW HAMPSHIRE, HILLSBORO INLET FLORIDA, MONMOTH BEACH NEW JERSEY, MOOSE PEAK MAINE, NAGS HEAD NORTH CAROLINA, NAUSET MASSACHUSETTS, OAK ISLE NORTH CAROLINA, OCEAN CAPE ALASKA, OCEAN CITY-MARYLAND, PISMO BEACH CALIFORNIA, POINT ARENA CALIFORNIA, POINT VARGUELLO CALIFORNIA, POINT CONCEPTION CALIFORNIA, POINT JUDITH RHODE ISLAND, POINT LOMA CALIFORNIA PONCE DE LEON FLORIDA, RACE POINT MASSACHUSETTS, ST. SIMON ISLAND GEORGIA, SANTA ROSA ISLAND FLORIDA, SHORT BEACH NEW YORK, SPRUCE CAPE ALASKA, STRATFORD POINT CONNECTICUT, TOMS RIVER NEW JERSEY, UMPQUA RIVER OREGON, VIRGINIA BEACH VIRGINIA, WILLAPA BAY WASHINGTON, YAQUINA BAY OREGON

ABSTRACT:
THIS FILE CONTAINS VISUAL OBSERVATIONS OF OCEAN WAVE HEIGHT, PERIOD, DIRECTION AND BREAKER TYPE FOR BREAKING WAVES IN THE SURF ZONE RECORDED BY U.S. COAST GUARD PERSONNEL AT VARIOUS STATIONS ALONG THE COAST IN COOPERATION WITH CERC AND ARE RECORDED ON SURF OBSERVATION FORMS. GENERALLY OBSERVATIONS ARE MADE 6 TIMES DAILY AT 4 HOUR INTERVALS. OBJECTIVES OF THE PROGRAM ARE TO PROVIDE SCIENTISTS AND ENGINEERS A KNOWLEDGE OF SURF ZONE WAVE CLIMATOLOGY FOR USE IN RESEARCH AND IN DESIGN OF COASTAL STRUCTURES. [illegible] SURF DATA BY DATE, COMPUTE TEN STATISTICAL TABLES OF VARIOUS COMBINATIONS OF SURF (OR WAVE) HEIGHT, PERIOD, DIRECTION, AND BREAKER TYPE. TO CREATE A TAPE OF PAIRED HEIGHT AND PERIOD OBSERVATIONS BETWEEN TWO LOCATIONS. COMPUTES MONTHLY MEAN AND DOMINANT HEIGHT AND PERIOD AND THEIR CORRELATION COEFFICIENTS BETWEEN TWO LOCATIONS, LISTING OF JOINT DISTRIBUTION TABLES OF SURF (OR WAVE) HEIGHT AND PERIOD. COMPUTES DISTRIBUTION OF HEIGHT AND PERIOD RUN LENGTHS. PLOTS OF JOINT DISTRIBUTIONS TABLES FOR HEIGHT AND PERIOD AND CORRELATION COEFFICIENTS FOR DATA AT TWO LOCATIONS WHICH HAVE BEEN EXTRACTED BY HEIGHT RUN LENGTHS. EXTRACTS DATA HAVING LESS THAN SPECIFIED HEIGHT RUN LENGTHS. COMPUTES MEAN HEIGHT AND PERIOD FOR ENTIRE RANGE OF DATES AND BY MONTH FOR EACH LOCATION. COMPUTES TOTAL NUMBER OF OBSERVATIONS AND CUMULATIVE FREQUENCIES BY WAVE PERIOD INTERVAL. A PROGRAM WHICH COUNTS NUMBER OF INVALID OR 'IMPOSSIBLE' DATA OBSERVATIONS (SQUARE ROOT OF WAVE HEIGHT OVER PERIOD GREATER THAN 1.0659) AND COMPUTES PERCENTAGES OF IMPOSSIBLE READINGS FOR EACH YEAR AT EACH LOCATION. LISTING OF SURF DATA (DATE, TIME, WAVE HEIGHT, PERIOD, DIRECTION AND BREAKER TYPE) FOR ONE STATION OVER A SPECIFIED PERIOD OF TIME. A PROGRAM WHICH COMPUTES MONTHLY AVERAGE HEIGHT, PERIOD, PERIOD WITHOUT PHI (PHASE ANGLE), PERCENTAGE PHI OCCURRENCES, PERCENTAGE OF SPILLING WAVES AND SAME AVERAGES FOR TOTAL OBSERVATIONS. A PROGRAM WHICH COMPUTES MONTHLY RATIOS OF THE MEAN FOR EACH OF THE 6-4 HOURLY REPORTING INTERVALS TO THE MEAN OF THE TOTAL FOR ALL OBSERVATIONS, FOR WAVE HEIGHT, PERIOD, DIRECTION AND BREAKER TYPE.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
26 REELS OF MAGNETIC TAPE ! ONE PER STATION

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. D.L. HARRIS / OCEANOGRAPHY BRANCH 202 325 7598
DEPARTMENT OF THE ARMY,COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR VIRGINIA USA 22060

GRID LOCATION (LAT)(

7307942219 7307465150 7513640000 7412842434 7614061359 7514941336 7208954201 7416443565 7209901030 7407305467 7208601055
7407832500 7406472382 7307555366 7406195517 7307385032 7513993521 7307851095 7312514107 7312835474 7312403349 7312402278
7307112219 7311273097 7208900544 7412142014 7308170282 7508071196 7407033353 7515724260 7407130096 7307945064 7412343191
7307889510 7412634540 7412443073

PARAMETER IDENTIFICATION SECTION:

CODE	[illegible]	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	36	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHL	6	OBS	6 PER DAY AT 4 HOURLY INTERVALS		
SURF PERIOD	WATER	VISUAL	SECONDS	6	OBS	6 PER DAY AT 4 HOURLY INTERVALS	SURFACE	
SURF HEIGHT	WATER	VISUAL	FEET	6	OBS	6 PER DAY AT 4 HOURLY INTERVALS	SURFACE	
SURF DIRECTION	WATER	VISUAL	DEGREES	6	OBS	6 PER DAY AT 4 HOURLY INTERVALS	SURFACE	
BREAKER CLASSIFICATION	WATER	VISUAL	CODED TYPE	6	OBS	6 PER DAY AT 4 HOURLY INTERVALS	SURFACE	

BEACH EVALUATION PROGRAM - VISUAL WAVE OBSERVATION DATA
DATA COLLECTED: 1962 TO PRESENT

RECEIVED: APRIL 01, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, MASSACHUSETTS, RHODE ISLAND, NEW YORK, NEW JERSEY, VIRGINIA, NORTH CAROLINA

ABSTRACT:
VISUAL WAVE OBSERVATION DATA INCLUDES INFORMATION ON WAVE HEIGHTS, PERIODS, DIRECTIONS, AND BREAKER TYPES. DATA IS PRIMARILY RECEIVED FROM CORPS COASTAL DISTRICTS AND DIVISIONS IN THE FORM OF OPTICAL MARK PAGE SCANNING FORMS AND/OR FIELD SURVEY CHARTS. THE DATA IS THEN PUNCHED ON CARDS.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

STORAGE MEDIA:
PUNCHED CARDS
10,000 PUNCHED CARDS INCREASING AT 100 CARDS PER MONTH

FUNDING:

INVENTORY:

PUBLICATIONS:
"BEACH PROFILE DATA AND WAVE OBSERVATIONS FROM THE CERC BEACH EVALUATION PROGRAM", H.D. URBAN AND C.J. GAVIN, JR., SEPT. 1969, MISC. PAPER 3-69.

CONTACT:
E.J. GALVIN 202 325 7378
DEPARTMENT OF THE ARMY, COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR VIRGINIA USA 22060

GRID LOCATION (LAT):
7307755230 7307942215 7407041000 7406195517 7407041040 7407033331 7307943180 7307940491 7407111586 7407025214 7307655518
7407030410 7307471427

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	15 STATIONS	1 OBS/STN		
TIME	EARTH	STATION TIME	YMD	15 STATIONS	30 OBS/ QUARTER/STN		
WAVE AMPLITUDE	WATER	VISUAL	FEET TO TENTHS	15 STATIONS	30 OBS/ QUARTER/STN		
WAVE PERIOD	WATER	VISUAL	SEC TO TENTHS	15 STATIONS	30 OBS/ QUARTER/STN		
WAVE DIRECTION	WATER	VISUAL	DEG TO TENTHS	15 STATIONS	30 OBS/ QUARTER/STN		
BREAKER CLASSIFICATION	WATER	VISUAL		15 STATIONS	30 OBS/ QUARTER/STN		

OCEAN WAVE CLIMATOLOGY - SIGNIFICANT WAVE HEIGHTS AND PERIODS
DATA COLLECTED: 1968 TO PRESENT

RECEIVED: APRIL 01, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S., COASTAL

ABSTRACT:
SIGNIFICANT WAVE HEIGHT AND PERIOD DATA FROM PEN AND INK RECORDS HAVE BEEN DIGITIZED ON PUNCHED CARDS. THE DATA COVERS OBSERVATIONS FROM 43 STATIONS, SAMPLED DAILY.
(SIGNIFICANT WAVE HEIGHTS AND PERIODS DETERMINED FROM PEN AND INK RECORDS)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
PUNCHED CARDS
20 BOXES OF PUNCHED CARDS. THE FILE SIZE INCREASES AT ABOUT 100 CARDS PER MONTH.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
MR E. THOMPSON / OCEANOGRAPHY BRANCH 202 325 7399
DEPARTMENT OF THE ARMY,COASTAL ENGINEERING RESEARCH CENTER
KINGMAN BUILDING
FORT BELVOIR VIRGINIA USA 22060

GRID LOCATOR (LAT):
7307851019 7307755230 7407041000 7208602024 7312725441 7311384012 7406195517 7412842434 7307665050 7614061359 7514941336
7208054201 7516443565 7311370280 7308002236 7308062335 7208601055 7307385147 7208600026 7407033331 7208605084 7308051545
7307943100 7307940491 7407111586 7406472382 7307851095 7308051523 7308050474 7308050450 7312514107 7312835474 7407112219
7311273097 7208954253 7308071196 7402025214 7515724260 7412343191 7307655518 7407024410 7307421427 7412443073

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	43	STATIONS	1 OBS/STN		
TIME	EARTH	STATION TIME	YMDU	43	STATIONS	6 OBS/DAY/STN BEFORE 197107 AND 4 OBS/DAY/STN THEREAFTER		
WAVE AMPLITUDE	WATER	FIXED STAFF, VISUAL	FEET TO TENTHS	43	STATIONS	6 OBS/DAY/STN BEFORE 197107 AND 4 OBS/DAY/STN THEREAFTER	SURFACE	SIGNIFICANT WAVE HEIGHT

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
WAVE PERIOD	WATER	FIXED STAFF, VISUAL	SEC	43 STATIONS	6 OBS, DAY/STN BEFORE 197107 AND 4 OBS/DAY/STN THEREAFTER	SURFACE	SIGNIFICANT WAVE PERIOD

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY

ABSTRACT:
SEVEN CURRENT STUDIES WERE CONDUCTED DURING THE SPRING AND SUMMER OF 1968 TO DETERMINE CURRENT MOVEMENT OFFSHORE OF THE PROPOSED CALVERT CLIFFS NUCLEAR GENERATING STATION. MAPS SHOWING MOVEMENTS OF DRIFT DEVICES OVER COMPLETE TIDAL CYCLES ARE PRESENTED IN A REPORT AVAILABLE FROM BALTIMORE GAS AND ELECTRIC COMPANY
(CONTRACT WORK DONE FOR THE BALTIMORE GAS AND ELECTRIC COMPANY: AT SLACK LOW OR HIGH TIDE 3 TO 6 SERIES OF FLOATS WERE RELEASED AT POINTS ALONG A TRANSECT TO APPROXIMATELY 1 MILE OUT FROM PROPOSED NUCLEAR PLANT SITE. THEIR MOVEMENT WAS FOLLOWED FOR 1 COMPLETE TIDAL CYCLE)

DATA AVAILABILITY:
REPORT AVAILABLE ONLY FROM CONTRACT AGENCY

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 25 PAGE REPORT

FUNDING:
BALTIMORE GAS AND ELECTRIC COMPANY

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. CLYDE E. GOULDEN 215 567 3700
THE ACADEMY OF NATURAL SCIENCES
NINETEENTH AND THE PARKWAY
PHILADELPHIA PENNSYLVANIA USA 19103

GRID LOCATOR (LAT):
739786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	7	OBS			
CURRENT DIRECTION	WATER	DRIFT DEVICE	DRIFT ROUTE	35	OBS		SURFACE, 10 FT, 20 FT	

RESERVOIR RELEASE DATA

DATA COLLECTED: JULY 1972 TO PRESENT

RECEIVED: NOVEMBER 04, 1974

PROJECTS:
DELAWARE RIVER ANADROMOUS FISHERIES STUDY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER BASIN

ABSTRACT:
BIWEEKLY IDENTIFICATION AND COUNT OF FISH CAUGHT IN THE WEST BRANCH, EAST BRANCH, AND UPPER DELAWARE RIVERS. DATA INCLUDES TEMPERATURE AND CURRENT OBSERVATIONS.
(DATA AVAILABLE IN ANNUAL REPORT, DELAWARE RIVER ANADROMOUS FISH PROJECT, AFS 2(6).)

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
1000 DATA SHEETS

FUNDING:
ANADROMOUS FISH ACT PL. 89-304.

INVENTORY:

PUBLICATIONS:

CONTACT:
JOSEPH P. MILLER 609 397 0115
DELAWARE RIVER BASIN, ANADROMOUS FISHERIES STUDY
P.O. BOX 95
ROSEMONT NEW JERSEY USA 08556

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	4	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	4	OBS	BIWEEKLY		3 STATIONS IN 1972, 4 IN 1973
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		4	OBS	BIWEEKLY		3 STATIONS IN 1972, 4 IN 1973
COUNT OF PELAGIC FISH	WATER	VISUAL		4	OBS	BIWEEKLY		HAUL SEINE AND ANCHOR GILL

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								NETS USED
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG F	4	OBS	AT SAMPLE TIME		
TEMPERATURE	WATER	THERMISTOR	DEG F	4	OBS	CONTINUOUS		
WATER TRANSPORT	WATER	IMPELLOR METER	CUBIC FEET PER SECOND	4	OBS	CONTINUOUS		

002970

ADULT AMERICAN SHAD TAGGING AND RECOVERY DATA
DATA COLLECTED: MARCH 1969 TO PRESENT

RECEIVED: NOVEMBER 04, 1974

PROJECTS:
DELAWARE RIVER ANADROMOUS FISHERIES STUDY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER BASIN

ABSTRACT:
TAGGING AND RECOVERY STUDY OF THE ADULT AMERICAN SHAD WAS BEGUN IN 1969. EIGHT STATIONS WERE ROUTINELY SAMPLED WITH DRIFT GILL NETT, ANCHOR GILL NETS, POUND NET, HAUL SEINE, TRAP NET, HOOP NET, AND WEIR NET. ANCILARY DATA INCLUDED WATER TEMPERATURE, DISSOLVED OXYGEN, AND WATER FLOW.
(DATA IS AVAILABLE IN 5 ANNUAL REPORTS, DELAWARE ANADROMOUS FISH PROJECT, AFS 2(2), 2(3), 2(4), 2(5), 2(6).)

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
10,000 SHEETS

FUNDING:
ANADROMOUS FISH ACT PL. 89-304.

INVENTORY:

PUBLICATIONS:

CONTACT:
JOSEPH P. MILLER 609 397 0115
DELAWARE RIVER BASIN.ANADROMOUS FISHERIES STUDY
P.O. BOX 95
ROSEMONT NEW JERSEY USA 08556

GRID LOCATOR (LAT):
730705

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	8	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	8	OBS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		8	OBS			
COUNT OF PELAGIC FISH	WATER	VISUAL		8	OBS			NON-TIDAL RIVER FISH COLLECTED WITH TRAP NET

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPT	REMARKS
							AND HOOP NET
TOTAL SOLIDS	WATER	COLORIMETRY	PARTS PER MILLION	8 OBS	HOURLY		
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG F	8 OBS	DAILY		
TEMPERATURE	WATER	THERMISTOR	DEG C	8 OBS	HOURLY		
WATER TRANSPORT	WATER	IMPELLOR METER	CUBIC FEET PER SECOND	8 OBS	HOURLY		

JUVENILE AMERICAN SHAD LOWER RIVER TRAWLING DATA
DATA COLLECTED: JULY 1972 TO PRESENT

RECEIVED: NOVEMBER 04, 1974

PROJECTS:
DELAWARE RIVER ANADROMOUS FISHERIES STUDY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER BASIN

ABSTRACT:
BUTTS AND COLE TRAWL SAMPLES WERE TAKEN BIMONTHLY TO DETERMINE THE MOVEMENT OF JUVENILE ALOSIDS IN THE LOWER DELAWARE RIVER.
(PRE-ANNUAL REPOR . DEL. RIVER FISHERIES STUDY ANNUAL PROJECT REPT., AFS-2-6, JULY-DECEMBER, 1972, 96P.)

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
2000 DATA SHEETS

FUNDING:
ANADROMOUS FISH ACT PL. 89-304.

INVENTORY:

PUBLICATIONS:

CONTACT:
JOSEPH P. MILLER 609 397 0115
DELAWARE RIVER BASIN,ANADROMOUS FISHERIES STUDY
P.O. BOX 95
BORDENTOWN NEW JERSEY USA 08505

GRID LOCATION (LAT):
739795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	5	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	5	OBS	TWICE MONTHLY		2 STATIONS IN 1972, 5 IN 1973
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG F	5	OBS	TWICE MONTHLY		
TOTAL SOLIDS	WATER	COLORIMETRY	PARTS PER MILLION	5	OBS	TWICE MONTHLY		USED VSI METER AND USGS
CURRENT SPEED	WATER	IMPELLOR METER	CUBIC FEET PER SECOND	5	OBS	TWICE MONTHLY		HOURLY OBSERVATIONS
SPEEDS	WATER	KEY		5	OBS	TWICE MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF PELAGIC FISH								
COUNT OF PELAGIC FISH	WATER	VISUAL		5	OBS	TWICE MONTHLY		SAMPLES COLLECTED USING A 16 FOOT OTTER TRAWL AND A 5X5 FOOT COBB TRAWL

HORIZONTAL AND VERTICAL DISTRIBUTION OF THECOSOMATOUS PTEROPODS
DATA COLLECTED: DECEMBER 1964 TO NOVEMBER 1966

RECEIVED: NOVEMBER 06, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, CAPE HATTERAS

ABSTRACT:
INVESTIGATION OF THE VERTICAL AND HORIZONTAL DISTRIBUTION OF PTEROPODS OFF CAPE HATTERAS.

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
MICROFILM
100 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
MYERS, T. D. 1967. HORIZONTAL AND VERTICAL DISTRIBUTION OF THECOSOMATOUS PTEROPODS OFF CAPE HATTERAS. DISSERTATION. DUKE U.

CONTACT:
LIBRARIAN 919 728 2111
DUKE UNIVERSITY MARINE LABORATORY
BEAUFORT NORTH C...OLINA USA 28516

GRID LOCATOR (LAT):
730736 730746 730745 730755 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE & LONGITUDE	251	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	251	OBS		TO 500 METERS	
SPECIES DETERMINATION OF PELAGIC ANIMALS	WATER	KEY		251	OBS		TO 500 METERS	26 SPECIES IDENTIFIED
COUNT OF ZOOPLANKTON	WATER	VISUAL	NUMBER PER 1000 SQUARE METERS	251	OBS		TO 500 METERS	COLLECTION MADE WITH 30 CENTIMETER CLARK BUMPUS NET
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	251	OBS		TO 500 METERS	
SALINITY	WATER	CONDUCTIVITY	PARTS PER	251	OBS		TO 500 METERS	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DISSOLVED OXYGEN GAS	WATER	TITRATION	THOUSAND PERCENT	251	OBS		TO 500 METERS	
DEPTH	WATER	CALCULATED FROM PRESSURE	METERS	251	OBS		TO 500 METERS	
CURRENT DIRECTION	WATER	NEUTRAL DENSITY FLOAT		251	OBS			
CURRENT RECOVERY POSITION	WATER	CALCULATED		251	OBS			
SAMPLE	SEDIMENT	CORER		251	OBS			
MIGRATION STUDY OF ZOOPLANKTON	WATER	TAGGING STUDIES		1	OBS		TO 500 METERS	24 HOUR VERTICAL MIGRATION

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, CHESAPEAKE BAY, CHESTER RIVER

ABSTRACT:
DATA ON CURRENT SPEED AND DIRECTION IS PRESENTED ALONG WITH CONDUCTIVITY, TEMPERATURE AND DEPTH COLLECTED WITH AN ODESSA METER. THE ODESSA METER IS THE SAME AS A TICUS CURRENT METER EXCEPT THAT CONDUCTIVITY, TEMPERATURE, AND DEPTH SENSORS HAVE BEEN ADDED. C.T.D. DATA WERE PROCESSED USING STANDARD FORMULAS TO CONVERT FROM BINARY UNITS TO ENGINEERING UNITS.
(DATA COLLECTED BY NOAA'S NATIONAL OCEAN SURVEY, OCEANOGRAPHIC SURVEYS BRANCH.)

DATA AVAILABILITY:
AVAILABLE AT COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL
3 REELS OF MAGNETIC TAPE, SAMPLE LISTING, AND DATA DOCUMENTATION FORM.

FUNDING:
NOAA

INVENTORY:
NAPIS

PUBLICATIONS:

CONTACT:
OCEANOGRAPHIC SERVICES BRANCH, D761 202 634 7500
NATIONAL OCEANOGRAPHIC DATA CENTER
NOAA/EDS/NODC
WASHINGTON DISTRICT OF COLUMBIA USA 20235

GRID LOCATOR (LAT):
7307960100 7307960126 7307960127 7307960125

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM TO THOUSANDTHS	5	STATIONS	CONTINUOUS		
TIME	EARTH	CLOCK TIME	YMDH TO HUNDREDTHS	1	MOS	CONTINUOUS		
CURRENT SPEED	WATER	SAVONIUS ROTOR METER	KNOTS TO HUNDREDTHS	45284	OBS	EVERY 7 1/2 SECONDS OVER A 38 SECOND PERIOD		
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES TRUE	45284	OBS	EVERY 7 1/2 SECONDS OVER		

003087

NAPIS 74-0398 CHESTER RIVER STUDIES (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPT	REMARKS
TEMPERATURE	WATER	THERMISTOR	DEG C	45284	OBS	A 38 SECOND PERIOD EVERY 7 1/2 SECONDS OVER A 38 SECOND PERIOD		
DEPTH	WATER	PRESSURE TRANSDUCER	PSI-ABSOLUTE	45284	OBS	EVERY 7 1/2 SECONDS OVER A 38 SECOND PERIOD		
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL	MILLIOHMS/CM	45284	OBS	EVERY 7 1/2 SECONDS OVER A 38 SECOND PERIOD		

089

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99

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., COASTAL, DELAWARE, LEWES

ABSTRACT:
THE PURPOSE OF THIS STUDY WAS TO EVALUATE THE GROSS (COMMUNITY DISRUPTION, MORTALITY) BIOLOGICAL EFFECTS OF DREDGING AND OVERBOARD SPOIL DISPOSAL IN THE BREAKWATER HARBOR, LEWES, DELAWARE, ON BENTHIC MARINE INVERTEBRATES. THE STUDY CONSISTED OF THREE ASPECTS: 1) PHYSICAL OCEANOGRAPHY AND AERIAL PHOTOGRAPHY, 2) MARINE GEOLOGY, AND 3) MARINE BIOLOGY. SPECIFIC OBJECTIVES WERE: 1) TO DETERMINE THE RELATIVELY SHORT-TERM DISPERSION OF SPOILS FROM DREDGING, AND 2) TO DETERMINE THE SHORT-TERM BIOLOGICAL EFFECT OF SPOIL DISPOSAL FROM DREDGING. THERE WERE 103 STATIONS WITHIN THE STUDY AREA WHICH WERE SAMPLED THREE TIMES; DECEMBER 1971, MARCH 1972 AND JUNE 1972. THE PARAMETERS DETERMINED IN THE STUDY AREA ARE CURRENT SPEED AND DIRECTION, SPECIES DETERMINATION AND COUNT OF BENTHIC ANIMALS, SALINITY, TEMPERATURE, DISSOLVED OXYGEN, EH, SIZE ANALYSIS OF SEDIMENTS, BIOMASS OF BENTHIC ANIMALS AND SECCHI DISC DEPTH.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
THE DATA OCCURS IN A REPORT WHICH IS 231 PAGES IN LENGTH.

FUNDING:
NOAA OFFICE OF SEA GRANT NO. 2-35223

INVENTORY:

0960

PUBLICATIONS:
MAURER, D., ET. AL., 1974, EFFECT OF SPOIL DISPOSAL ON BENTHIC COMMUNITIES NEAR THE MOUTH OF DELAWARE BAY, COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE, 231 PP.

CONTACT:
DR. DON MAURER 302 738 2569
COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	RADAR	DMT	103 STATIONS			
TIME	EARTH	STATION TIME	YMDH	103 STATIONS			
SIZE ANALYSIS	SEDIMENT	SIEVE		103 STATIONS			
CURRENT DIRECTION	WATER	DYE STUDY		7 STATIONS		1 AND 2 METERS BELOW SURFACE	CURRENT STUDIES DONE ON JANUARY 6 AND 7, 1972

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	DYE STUDY		7 STATIONS		1 AND 2 METERS BELOW SURFACE	CURRENT STUDIES DONE ON JANUARY 6 AND 7, 1972
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER/ONE-TENTH OF A SQUARE METER	277 OBS			
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		277 OBS			115 SPECIES IDENTIFIED
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	103 STATIONS			
DISSOLVED OXYGEN GAS	WATER	TITRATION	PPM	103 STATIONS			
SALINITY	WATER	CONDUCTIVITY	PPT	103 STATIONS			
SECCHI DISC DEPTH	WATER	DISAPPEARING DEPTH	CENTIMETERS	103 STATIONS			
TEMPERATURE	SEDIMENT	MERCURY THERMOMETER	DEG C	103 STATIONS			
BIOMASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT		103 STATIONS			
BIOMASS OF BENTHIC ANIMALS	BOTTOM	WET WEIGHT		103 STATIONS			
EH	INTERSTITIAL	SPECIFIC ION ELECTRODE		103 STATIONS			
CURRENT DIRECTION	WATER	DRIFT DEVICE		7 STATIONS			
CURRENT SPEED	WATER	DRIFT DEVICE		7 STATIONS			

091

100^

101

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, ROANOKE RIVER

ABSTRACT:
INVESTIGATION OF STRIPED BASS SPAWNING IN THE ROANOKE RIVER, N.C. INCLUDED EGG COUNTS AND VARIABILITY IN PERCENT AND AGE GROUPS BY HOURS. ANCILLARY DATA INCLUDES CURRENT SPEED, DEPTH, AND TEMPERATURE.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
99 PAGES

FUNDING:
NORTH CAROLINA STATE UNIVERSITY

INVENTORY:

PUBLICATIONS:
CHEEK, R.P. 1961. QUALITATIVE ASPECTS OF STRIPED BASS SPAWNING IN THE ROANOKE RIVER, N.C. NC ST U THESIS. P99

CONTACT:
LIBRARIAN 919 737 3364
NORTH CAROLINA STATE UNIVERSITY
D.H. HILL LIBRARY
RALEIGH NORTH CAROLINA USA 27607

092

GRID LOCATOR (LAT):
730756 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	1 STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	1 STATIONS	HOURLY		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		1 STATIONS	HOURLY		STRIPED BASS, MORONE SAXITILIS
COUNT OF PELAGIC FISH	WATER	VISUAL		1 STATIONS	HOURLY		HOURLY SAMPLES FOR 15 DAYS
TEMPERATURE	WATER	THERMISTOR	DEG C	1 STATIONS	3 TIMES PER DAY	SURFACE	
BATHYMETRY	WATER	LEAD LINE	METERS	1 STATIONS	3 TIMES PER DAY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
WATER TRANSPORT	WATER	IMPELLOR METER	METERS PER SECOND	1 STATIONS	3 TIMES PER DAY	SURFACE	
TEMPERATURE	AIR	THERMISTOR	DEG C	1 STATIONS	3 TIMES PER DAY		
FECUNDITY OF PELAGIC FISH	WATER	VISUAL	COUNT OF EGGS AND VARIABILITY IN PERCENT AND AGE COMPOSITION	1 STATIONS			

0983

102

103>

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, MID-ATLANTIC, DELAWARE, NORTH CAROLINA

ABSTRACT:
THIS STUDY INCLUDES DATA TAKEN AT 14 OCEANOGRAPHIC STATIONS ALONG A 600 MILE CRUISE TRACK RUNNING ROUGHLY SE FROM DELAWARE BAY, CAPE HENLOPEN TO THE SARGASSO SEA JUST BEYOND THE GULF STREAM AND THEN NW FROM THE SARGASSO SEA TO A POINT CLOSE TO THE MOUTH OF THE CHESAPEAKE BAY AND INTO BEAUFORT NORTH CAROLINA. DATA TAKEN INCLUDES SURFACE AND PROFILE SALINITY, TEMPERATURE, NITRATE, NITRITE, PHOSPHATE, SILICATE, CHLOROPHYLL A, PHAEOPHYTIN, CS-137, RADIUM-228, RADIUM-226, THORIUM-228, LEAD-210, POLONIUN-210, PARTICULATE AND DISSOLVED MERCURY AS WELL AS REGULAR WIND, WAVE AND METEOROLOGICAL OBSERVATIONS.
(CRUISE BEGAN AT LEWES DELAWARE PROCEEDED OUT TO THE SARGASSO SEA TERMINATING AT BEAUFORT NORTH CAROLINA)

DATA AVAILABILITY:
AT COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
16 PAGES

FUNDING:
NATIONAL SCIENCE FOUNDATION NO. GA-28752

INVENTORY:

PUBLICATIONS:

CONTACT:
STUART KUPFERMAN 302 738 1212
UNIVERSITY OF DELAWARE
COLLEGE OF MARINE STUDIES
NEWARK DELAWARE USA 19.11

GRID LOCATOR (LAT):
73078530 73076543

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	14	STATIONS		SURFACE TO 980M	
TIME	EARTH	SAMPLING TIME	YMDHM	14	OBS	1 OBS/STATION/ DEPTH		
TEMPERATURE	WATER	VARIOUS	DEG C	1500	OBS	2-3 OBS/ STATION/ DEPTH	SURFACE TO 980M	CONTINUOUS SURFACE TEMPERATURE TAKEN BY THERMISTOR AND

094

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								BUCKET AT EACH STATION 2 OR 3 DIFFERENT METHODS EMPLOYED, SURFACE TEMPERATURE BY BUCKET, STD, XBT DEPTH BY NANSEN/NISKIN REVERSING THERMOMETER, STD, BT
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	500	OBS	2 OBS/DEPTH/ STATION AND 1 OBS/HALF HR UNDERWAY	SURFACE TO 990M	SALINITY WAS CROSSED CHECK ON STATION STD AGAINST INDUCTIVE SALINOMETER WHILE UNDERWAY ONLY INDUCTIVE SALINOMETER USED
NITRATE	WATER	SPECTROPHOTOMETRY	MICROGRAM ATOMS PER LITER	84	OBS	1 OBS/DEPTH/ STATION	SURFACE TO 100 M	
NITRITE	WATER	SPECTROPHOTOMETRY	MICROGRAM ATOMS PER LITER	84	OBS	1 OBS/DEPTH/ STATION	SURFACE TO 100 M	
PHOSPHATE	WATER	SPECTROPHOTOMETRY	MICROGRAM ATOMS PER LITER	84	OBS	1 OBS/DEPTH/ STATION	SURFACE TO 100 M	
SILICATE	WATER	SPECTROPHOTOMETRY	MICROGRAM ATOMS PER LITER	84	OBS	1 OBS/DEPTH/ STATION	SURFACE TO 100 M	
CHLOROPHYLL A	WATER	SPECTROPHOTOMETRY	MICROGRAMS PER LITER	84	OBS	1 OBS/DEPTH/ STATION	SURFACE TO 100 M	CONTINUOUS CHLOROPHYLL ALSO WAS TAKEN TO CORRELATE WITH STATION DATA
PHAEOPHYTIN A	WATER	SPECTROPHOTOMETRY	MICROGRAMS PER LITER	84	OBS	1 OBS/DEPTH/ STATION	SURFACE TO 100 M	
MERCURY	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER BILLION	84	OBS	2 OBS/DEPTH/ STATION AND 1 OBS/HALF HR UNDERWAY	SURFACE TO 100 M	
MERCURY	SUSPENDED	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER BILLION	84	OBS	2 OBS/DEPTH/ STATION AND 1 OBS/HALF HR UNDERWAY	SURFACE TO 100 M	
MERCURY	DISSOLVED	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER BILLION	84	OBS	2 OBS/DEPTH/ STATION AND 1 OBS/HALF HR UNDERWAY	SURFACE TO 100 M	
CESIUM-137	WATER	GAMMA RAY SPECTROMETRY	COUNTS PER MINUTE	85	OBS	1 OBS/DEPTH/ STATION	10-980 M	

093
104A

105<

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CESIUM-137	WATER	GAMMA RAY SPECTROMETRY	COUNTS PER MINUTE	9	OBS	1 OBS/DEPTH/ STATION	10-980 M	
RADIUM-228	WATER	GAMMA RAY SPECTROMETRY	COUNTS PER MINUTE	9	OBS	1 OBS/DEPTH/ STATION	SURFACE	SURFACE SAMPLE TAKEN AT EACH OF 9 STATIONS FROM WATER
RADIUM-226	WATER	GAMMA RAY SPECTROMETRY	COUNTS PER MINUTE	9	OBS	1 OBS/DEPTH/ STATION	SURFACE	SURFACE SAMPLE TAKEN AT EACH OF 9 STATIONS FROM WATER
LEAD-210	WATER	GAMMA RAY SPECTROMETRY	COUNTS PER MINUTE	9	OBS	1 OBS/DEPTH/ STATION	SURFACE	SURFACE SAMPLE TAKEN AT EACH OF 9 STATIONS FROM WATER
THORIUM-228	WATER	GAMMA RAY SPECTROMETRY	COUNTS PER MINUTE	9	OBS	1 OBS/DEPTH/ STATION	SURFACE	SURFACE SAMPLE TAKEN AT EACH OF 9 STATIONS FROM WATER
WIND SPEED	AIR	ANEMOMETER	NAUTICAL MILES PER HOUR	250	OBS	1 OBS/HALF HOUR		DATA TAKEN FROM SHIP MAST
WIND DIRECTION	AIR	DIRECTION VANE	COMPASS DEGREES	250	OBS	1 OBS/HALF HOUR		DATA TAKEN FROM SHIP MAST
WAVE AMPLITUDE	WATER	VISUAL	FEET	250	OBS	1 OBS/HALF HOUR	SURFACE	DATA TAKEN FROM SHIP MAST
WAVE PERIOD	WATER	VISUAL	WAVE PER MINUTE	250	OBS	1 OBS/HALF HOUR	SURFACE	MEASURED AS WAVES ACROSS BOW PER MINUTE

0806

004549

BROADKILL RIVER TIDAL CYCLE CHEMICAL DATA
DATA COLLECTED: NOVEMBER 1973 TO NOVEMBER 1973

RECEIVED: AUGUST 01, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, BROADKILL RIVER, ROOSEVELT INLET

ABSTRACT:
THE BROADKILL RIVER AT THE ROOSEVELT INLET FROM DELAWARE BAY WAS MONITORED OVER A TIDAL CYCLE ON NOVEMBER 16, 1973 AS A PART OF A GRADUATE COURSE PROJECT BY THE UNIVERSITY OF DELAWARE'S COLLEGE OF MARINE STUDIES. DATA TAKEN EVERY 20 MINUTES INCLUDES SALINITY, TEMPERATURE, CURRENT SPEED, TOTAL PHOSPHATE, CHLOROPHYLL A, TOTAL AND PARTICULATE CARBOHYDRATE, TOTAL LOADING, AND DTRITRAL LOADING. BOTH TOTAL PARTICULATE LOADING AND THAT RETAINED BY A NUMBER 10 MESH NET WERE DETERMINED FOR EACH OF 12 OBS MADE.
(DATA TAKEN AS A CLASS PROJECT OVER ONE TIDAL CYCLE FROM A MOORED BOAT)

DATA AVAILABILITY:
LIMITED BY REPRODUCTION COSTS

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
10 PAGES

FUNDING:
UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:

CONTACT:
CHARLES BRINE 302 738 1212
UNIVERSITY OF DELAWARE
COLLEGE OF MARINE STUDIES
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
73078530

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	1	STATIONS		1M	
TIME	EARTH	SAMPLING TIME	YMDHM	150	OBS		1M	
TEMPERATURE	WATER	MECHANICAL BT	DEG C	14	OBS	1 OBS/20 MINUTE	1M	
CURRENT SPEED	WATER	DRIFT DEVICE	METERS PER SECOND	15	OBS	1 OBS/20 MINUTE	1M	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	18	OBS	1 OBS/20 MINUTE	1M	INDUCTIVE SALINOMETER WAS USED

060
106

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
PHOSPHORUS	WATER	SPECTROPHOTOMETRY	MICROGRAM ATOMS PER LITER	18	OBS	1 OBS/20 MINUTE	1M	
CHITIN	WATER	SPECTROPHOTOMETRY	MICROGRAM PER LITER	12	OBS	1 OBS/20 MINUTE	1M	
CARBOHYDRATES	WATER	SPECTROPHOTOMETRY	MILLIGRAM GLUCOSE PER CUBIC METER	12	OBS	1 OBS/20 MINUTE	1M	
CHLOROPHYLL A	WATER	FLUOROMETRY	MILLIGRAM PER CUBIC METER	12	OBS	1 OBS/20 MINUTE	1M	
PARTICULATE MATTER	WATER	GRAVIMETRY	MILLIGRAM PER LITER	24	OBS	1 OBS/20 MINUTE	1M	
CARBOHYDRATES	SUSPENDED	SPECTROPHOTOMETRY	MILLIGRAM GLUCOSE PER CUBIC METER	12	OBS	1 OBS/20 MINUTE	1M	

1074
0938

004579 ANALYSIS OF SHORT-AND LONG-TERM ELEMENTS OF COASTAL CHANGE IN A SIMPLE SPIT SYSTEM: CAPE HENLOPEN, DELAWARE PAGE 01

DATA COLLECTED: JUNE 1972 TO AUGUST 1973 RECEIVED: SEPTEMBER 22, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, CAPE HENLOPEN BEACH

ABSTRACT:
DATA ON BEACH PROCESS VARIABLES AND BEACH FACE RESPONSES OBTAINED OVER A 15 MONTH PERIOD, FROM JUNE, 1972 TO AUGUST, 1973, FROM 2 LOCATIONS IN CAPE HENLOPEN BEACH, DELAWARE ARE PRESENTED AND ANALYZED TO DETERMINE THE FACTORS GOVERNING THE PROCESSES AND RATES OF COASTAL CHANGE OF CAPE HENLOPEN. DATA INCLUDE WAVE PERIOD, HEIGHT AND DIRECTION; LONGSHORE CURRENT SPEED AND DIRECTION; WIND SPEED AND DIRECTION; BEACH PROFILES; AND SIZE AND COMPOSITION ANALYSIS OF SEDIMENT OF THE AREA. HISTORIC MAPS ARE ALSO ANALYZED TO ESTABLISH EROSION AND ACCRETION RATES OVER THE PAST 2 CENTURIES AND TO RELATE THE MOVEMENT OF THE COASTLINE DURING THAT TIME TO PRESENT RATES OF CHANGE OF THE CAPE HENLOPEN COAST.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
150 PAGES

FUNDING:
OFFICE OF NAVAL RESEARCH

INVENTORY:

PUBLICATIONS:
MAURMEYER, E.M., 1974. ANALYSIS OF SHORT-AND LONG-TERM ELEMENTS OF COASTAL CHANGE IN A SIMPLE SPIT SYSTEM: CAPE HENLOPEN, DELAWARE. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 150 P.

CONTACT:
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NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
7307854085

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS			STATION 1: ATLANTIC COAST SIDE OF CAPE HENLOPEN BEACH; STATION 2: CAPE HENLOPEN BEACH
TIME	EARTH	STATION TIME		138	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
SIZE ANALYSIS	SEDIMENT	SETTLING/ WEIGHING	GRAPHIC MEAN IN PHI UNITS PER SAMPLE PER STATION	341	OBS			
GRAVEL FRACTION	SEDIMENT	SIEVE	WEIGHT PERCENT OF GRAVEL PER SAMPLE PER STATION	341	OBS			
SAND FRACTION	SEDIMENT	SETTLING/ WEIGHING	WEIGHT PERCENT OF SAND PER SAMPLE PER STATION	341	OBS			
SILT FRACTION	SEDIMENT	SETT_ING/ WEIGHING	WEIGHT PERCENT OF SILT PER SAMPLE PER STATION	341	OBS			
WAVE AMPLITUDE	WATER	FIXED STAFF, VISUAL	AVERAGE WAVE HEIGHT IN FEET PER STATION OBS	69	OBS			ATLANTIC COAST STATION
WAVE PERIOD	WATER	FIXED STAFF, VISUAL	AVERAGE WAVE PERIOD IN SECONDS PER STATION OBS	71	OBS			ATLANTIC COAST STATION
WAVE DIRECTION	WATER	VISUAL	PERCENT OF OBS OCCURING IN SPECIFIED DIRECTION ZONES	54	OBS			ATLANTIC COAST STATION
CURRENT DIRECTION	WATER	DRIFT DEVICE		20	OBS			
CURRENT SPEED	WATER	DRIFT DEVICE	FEET PER SECOND	20	OBS			
WIND SPEED	AIR	ANEMOMETER	PERCENT OF OBS PER 5 MILE PER HOUR INTERVALS	64	OBS			
WIND DIRECTION	AIR	DROPSONDE	PERCENT OF OBS PER SPECIFIED DIRECTION ZONES	64	OBS			
HEAVY MINERALS	SEDIMENT	MICROSCOPE	WEIGHT PERCENT OF HEAVY MINERALS IN 62 AND FIVE-TENTHS-500 MICRON FRACTION PER OBS PER STATION	10	OBS			PERCENT OF NON-OPAQUE GRAINS GIVEN FOR SEVERAL MINERALS
ALTITUDE PROFILE	LAND	DIRECT	ALTITUDE IN FEET ABOVE MEAN LOW WATER PER DISTANCE	67	OBS			

109
100

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
			IN FEET FROM FIXED POINT ALONG A LINE RUNNING PERPENDICULAR TO THE WATER LINE				
DEPOSITION	LAND	DIRECT	CHANGE IN ALTITUDE IN FEET ALONG BEACH PROFILE BETWEEN SAMPLING PERIODS	67 OBS			

004667

EASTWARD CRUISE NO. E-GA-74
DATA COLLECTED: MAY 1974 TO JUNE 1974

PAGE 01
RECEIVED: AUGUST 15, 1975

111

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., COASTAL, MID-ATLANTIC, NORTH CAROLINA, DELAWARE

ABSTRACT:
THIS CRUISE REPORT INCLUDES OCEANOGRAPHIC DATA TAKEN AT 40 STATIONS ALONG A 600 MILE CRUISE TRACK RUNNING ROUGHLY NE FROM BEAUFORT, NORTH CAROLINA ACROSS THE GULF STREAM, NW TO THE MOUTH OF THE CHESEPEAKE BAY, NE OUT TO THE GULF STREAM, AND NW INTO CAPE HENLOPEN, AT THE MOUTH OF DELAWARE BAY. DATA TAKEN INCLUDES SURFACE AND PROFILE SALINITY, TEMPERATURE, DISSOLVED OXYGEN, DISSOLVED ORGANIC CARBON, PARTICULATE ORGANIC CARBON, NITRATE, NITRITE, TOTAL REACTIVE PHOSPHATE, TOTAL SILICATE, CHLOROPHYLL A, CARBON-14, PHAEOPHYTON PIGMENT, PARTICULATE CHITIN, CHITINOCLYTIC BACTERIA, AND PARTICULATE LIGHT SCATTERING INFORMATION. IN ADDITION FOR WATER MASS TRACING, SURFACE AND PROFILE CS-137 AND RADIUM-228 USED BULK WATER SAMPLE TECHNIQUES AND SPECIAL CAST SAMPLER TECHNIQUE(CS-137). REGULAR WIND, WAVE, AND METEOROLOGICAL OBSERVATION WERE ALSO TAKEN.
(NSF NORTH ATLANTIC RESIDENCE TIME BY CS-137 TRACER; CRUISE BEGAN AT BEAUFORT, NORTH CAROLINA PROCEEDED OUT ACROSS THE GULF STREAM TERMINATING BACK AT LEWES, DELAWARE)

DATA AVAILABILITY:
AT COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
50 PAGES

FUNDING:
NSF NO. GA-28752, UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:

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GRID LOCATOR (LAT):
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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	40	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	40	OBS	1 OBS/DEPTH/ STATION		
TEMPERATURE	WATER	XBT	DEG C	900	OBS	2 OBS/STATION/ DEPTH PLUS 1 OBS/HALF-	SURFACE TO 980M	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
						HOUR UNDERWAY AND SOME CONTINUOUS SURFACE THERMISTOR RECORDS		
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	900	OBS	2 OBS STATION/ DEPTH PLUS 1 OBS/HALF-HOUR UNDERWAY AND SOME CONTINUOUS SURFACE THERMISTOR RECORDS	SURFACE TO 980M	INDUCTIVE SALINOMETER USED FOR CONDUCTIVITY MEASUREMENTS AND CROSS CHECKED AGAINST STD
LIGHT EXTINCTION	WATER	TRANSMISSOMETER LOWERING	RECIPROCAL METERS	28	OBS	1 OBS/STATION	0-80 METERS	EXTINCTION COEFFICIENTS WERE MEASURED AT EACH OF 28 STATIONS PLUS 2 VERTICAL DEPTH PROFILE WERE TAKEN AT SPECIES STATIONS
LIGHT SCATTERING COEFFICIENT	WATER	SMALL ANGLE FORWARD SCATTERING METER	RECIPROCAL METERS	28	OBS	1 OBS/STATION	0-80 METERS	VOLUME SCATTERING COEFFICIENT FOR BOTH 2 DEGREE AND 90 DEGREE SCATTERING METERS WERE TAKEN AT A 633 U WAVELENGTH AT 28 STATIONS AND AT VERTICAL PROFILE FOR 2 SPECIFIC STATIONS
WIND SPEED	AIR	ANEMOMETER	MILES PER HOUR	250	OBS	1 OBS/HALF-HOUR		WIND SPEED MEASURED AT SHIPS MAST
WIND DIRECTION	AIR	DIRECTION VANE	COMPASS DEGREES	250	OBS	1 OBS/HALF-HOUR		
WAVE AMPLITUDE	WATER	VISUAL	FEET	250	OBS	1 OBS/HALF-HOUR	SEA SURFACE	
WAVE DIRECTION	WATER	VISUAL	COMPASS DIRECTION	250	OBS	1 OBS/HALF-HOUR	SEA SURFACE	
NITRATE	WATER	SPECTROPHOTOMETRY	MICROGRAM-ATOMS PER LITER	201	OBS	1 OBS/STATION/ DEPTH	SURFACE TO 100 METERS	NUTRIENT PARAMETERS TAKEN AT EACH STATION FOR

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPT	REMARKS
								EACH PARTICULAR WATER SAMPLE BOTTLE DEPTH
NITRITE	WATER	SPECTROPHOTOMETRY	MICROGRAM-ATOMS PER LITER	201	OBS	1 OBS/STATION/ DEPTH	SURFACE TO 100 METERS	
SILICATE	WATER	SPECTROPHOTOMETRY	MICROGRAM-ATOMS PER LITER	201	OBS	1 OBS/STATION/ DEPTH	SURFACE TO 100 METERS	
REACTIVE PHOSPHATE	WATER	SPECTROPHOTOMETRY	MICROGRAM-ATOMS PER LITER	201	OBS	1 OBS/STATION/ DEPTH	SURFACE TO 100 METERS	
TOTAL PHAEOPHYTIN	WATER	SPECTROPHOTOMETRY	MICROGRAM-ATOMS PER LITER	201	OBS	1 OBS/STATION/ DEPTH	SURFACE TO 100 METERS	
CHITIN	SUSPENDED	SPECTROPHOTOMETRY	MICROGRAM PER LITER	44	OBS	1 OBS/STATION/ DEPTH	SURFACE TO 600 METERS	PARTICULATE CHITIN DATA TAKEN AT EACH OF 11 STATIONS AT THE VARIOUS BOTTLE DEPTHS PLUS SURFACE SAMPLE
COUNT OF MICROBIOTA	WATER	MICROSCOPE	COLONIES	34	OBS	1 OBS/STATION/ DEPTH	SURFACE TO 600 METERS	CHITINOCLYTIC BACTERIA WERE DETERMINED AT EACH WATER SAMPLE BOTTLE DEPTH AT EACH OF 11 STATIONS PLUS SURFACE SAMPLES
ORGANIC CARBON	DISSOLVED	AUTOANALYZER	MILLIGRAMS PER LITER	201	OBS	1 OBS/STATION/ DEPTH	SURFACE TO 600 METERS	
ORGANIC CARBON	SUSPENDED	AUTOANALYZER	MILLIGRAMS PER LITER	201	OBS	1 OBS/STATION/ DEPTH	SURFACE TO 600 METERS	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLILITERS PER LITER	201	OBS	1 OBS/STATION/ DEPTH	SURFACE TO 600 METERS	
CARBON-14	WATER	MASS SPECTROMETRY	MILLIGRAM PER METER CUBED PER DAY	201	OBS	1 OBS/STATION/ DEPTH	SURFACE TO 600 METERS	
CESIUM-137	WATER	GAMMA RAY SPECTROMETRY	COUNTS PER MINUTE	41	OBS	1 OBS/STATION/ DEPTH	0-980 METERS	17 CESIUM-137 SAMPLES AT ONE STATION WITH SPECIAL CAST TECHNIQUE WHILE OTHERS TAKEN FROM BULK WATER SAMPLE AT 0 AND 50 METERS AT 2 OBS/ STATION
RADIUM-226	WATER	GAMMA RAY SPECTROMETRY	COUNTS PER MINUTE	24	OBS	2 OBS/STATION	0 TO 50 METERS	RADIUM-226 DATA TAKEN 2 OBS/ STATION AT 0 AND 50 METERS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TEMPERATURE	WATER	THERMISTOR	DEG C	900	OBS	2 OBS/STATION/ DEPTH PLUS 1 OBS/HALF-HOUR UNDERWAY AND SOME CONTINUOUS SURFACE THERMISTOR RECORDS	SURFACE TO 980M	
TEMPERATURE	WATER	MECHANICAL BT	DEG C	900	OBS	2 OBS STATION/ DEPTH PLUS 1 OBS/HALF-HOUR UNDERWAY AND SOME CONTINUOUS SURFACE THERMISTOR RECORDS	SURFACE TO 980M	
TEMPERATURE	WATER	RESISTANCE THERMOMETER	DEG C	900	OBS	2 OBS, STATION/ DEPTH PLUS 1 OBS/HALF-HOUR UNDERWAY AND SOME CONTINUOUS SURFACE THERMISTOR RECORDS	SURFACE TO 980M	
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	900	OBS	2 OBS, STATION/ DEPTH PLUS 1 OBS/HALF-HOUR UNDERWAY AND SOME CONTINUOUS SURFACE THERMISTOR RECORDS	SURFACE TO 980M	
SALINITY	WATER	STD	PARTS PER THOUSAND	900	OBS	2 OBS/STATION/ DEPTH PLUS 1 OBS/HALF-HOUR UNDERWAY AND SOME CONTINUOUS SURFACE THERMISTOR RECORDS	SURFACE TO 980M	INDUCTIVE SALINOMETER USED FOR CONDUCTIVITY MEASUREMENTS AND CROSS CHECKED AGAINST STD
LIGHT SCATTERING COEFFICIENT	WATER	RIGHT ANGLE FORWARD SCATTERING METER	RECIPROCAL METERS	28	OBS	1 OBS/STATION	0-80 METERS	VOLUME SCATTERING COEFFICIENT FOR BOTH 2 DEGREE AND 90 DEGREE SCATTERING METERS WERE TAKEN AT A 633

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								U WAVELENGTH AT 28 STATIONS AND AT VERTICAL PROFILE FOR 2 SPECIFIC STATIONS
COUNT OF MICROBIOTA	WATER	VISUAL	COLONIES	34	OBS	1 OBS/STATION/ DEPTH	SURFACE TO 600 METERS	CHITINOCLYTIC BACTERIA WERE DETERMINED AT EACH WATER SAMPLE BOTTLE DEPTH AT EACH OF 11 STATIONS PLUS SURFACE SAMPLES

115

106

004671

DELAWARE BAY ENTRANCE TIDAL CURRENTS
DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

PROJECTS:

RECEIVED: AUGUST 15, 1975

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, DELAWARE BAY

ABSTRACT:
THE DATA IN THIS REPORT RELATES TO AN INVESTIGATION OF THE RELATIONSHIP BETWEEN THE WATER OF THE ATLANTIC OCEAN OFF THE NEW JERSEY COAST AND THE WATER ENTERING THE DELAWARE BAY. THIS RELATIONSHIP WAS EXPLORED THROUGH A CURRENT AND SALINITY MEASUREMENT STUDY. THE DATA WAS ALL OBTAINED ON ONE RESEARCH CRUISE ON OCTOBER 27, 1972 ON BOARD THE R/V SKIMMER FROM THE UNIVERSITY OF DELAWARE, COLLEGE OF MARINE STUDIES.
(SALINITY, CURRENT, AND TEMPERATURE PROFILES OF DELAWARE BAY MOUTH)

DATA AVAILABILITY:
LIMITED BY REPRODUCTION COST ONLY

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
9 PAGES

FUNDING:
UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:

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COLLEGE OF MARINE STUDIES
NEWARK DELAWARE USA 19713

GRID LOCATOR (LAT):
7307844455 7307950007

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	16	STATIONS		SURFACE TO BOTTOM	
TIME	EARTH	SAMPLING TIME	YMDHM	16	STATIONS	1 OBS/STATION/ DEPTH	SURFACE TO BOTTOM	
CURRENT RELEASE POSITION	WATER	LONG RANGE NAVIGATIONAL NET	MAP POSITIONAL DEGREES	45	OBS		BOTTOM	5 BOTTOM DRIFTERS WERE RELEASED AT EACH OF 9 STATIONS TO CHART BOTTOM

107
116

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								CURRENTS
CURRENT RECOVERY POSITION	WATER	FIXED AREA	MAP POSITIONAL DEGREES	11	OBS			
CURRENT RECOVERY TIME	WATER	CLOCK TIME	DAYS	11	OBS	1 OBS/DRIFTER FOUND		
CURRENT DIRECTION	WATER	DRIFT DEVICE	COMPASS DIRECTION	11	OBS	1 OBS/DRIFTER FOUND	BOTTOM	BOTTOM DRIFTER DROGUES USED
SALINITY	WATER	STD	PARTS PER THOUSAND	48	OBS	2 OBS/STATION PLUS 1 PROFILE OBS/ STATION	SURFACE TO BOTTOM	BOTH SALINOMETER AND STD USED TO CROSSCHECK SALINITIES
TEMPERATURE	WATER	RESISTANCE THERMOMETER	DEG C	45	OBS	1 OBS/STATION	SURFACE TO BOTTOM	TEMPERATURE PROFILE TAKEN AT EACH STATION BY STD
SECCHI DISC DEPTH	WATER	DISAPPEARING DEPTH	METERS	13	OBS	1 OBS/STATION		
DEPTH	WATER	WIRE LENGTH	FEET	12	OBS	1 OBS/STATION	SURFACE TO BOTTOM	DEPTH RECORDED BY CORRECTED WIRE LENGTH OUT WHEN STD PROBE REACHED BOTTOM
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	48	OBS	2 OBS/STATION PLUS 1 PROFILE OBS/ STATION	SURFACE TO BOTTOM	BOTH SALINOMETER AND STD USED TO CROSSCHECK SALINITIES

108

004678

HYDROGRAPHY OF THE BROADKILL RIVER ESTUARY
DATA COLLECTED: MARCH 1967 TO JANUARY 1968

RECEIVED: AUGUST 15, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., DELAWARE BAY, BROADKILL RIVER, COASTAL

ABSTRACT:
HYDROGRAPHIC SURVEYS OF THE BROADKILL RIVER WERE MADE TO DETERMINE THE NET CIRCULATION PATTERN AND THE FLUSHING RATE. SALINITY, TEMPERATURE, AND CURRENT VELOCITY WERE MEASURED. THE NET CIRCULATION PATTERN OF THIS ESTUARY IS ONE IN WHICH EBBING CURRENTS DOMINATE THE WATER COLUMN AT ALL LEVELS.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
89 PAGES

FUNDING:
OFFICE OF WATER RESOURCES RESEARCH

INVENTORY:

PUBLICATIONS:
REPORT OF WATER RESOURCES DEPT STATE OF DELAWARE, N.J. KAPOLOVSKI

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INTERLIBRARY LOAN 302 738 2236
MORRIS LIBRARY, UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
7307854182

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	7	STATIONS			
TIME	EARTH	STATION TIME	YMDH	7	STATIONS		SURFACE	
BATHYMETRY	WATER	LEAD LINE	FT	7	STATIONS		BOTTOM	DEPTHS TAKEN AT 10 FT INTERVALS AT EACH STATION
WATER LEVEL	WATER	VISUAL	FT	7	STATIONS		SURFACE	TIME GAUGES WERE PLACED AT TWO STATIONS AND VISUAL OBSERVATIONS WERE MADE AT ALL SEVEN

109

118A

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TIDAL CURRENT SPEED	WATER	DRIFT DEVICE	FT PER SEC	7 STATIONS		SURFACE, MIDDLE AND BOTTOM	
TIDAL CURRENT SPEED	WATER	SAVONIUS ROTOR METER	FT PER SEC	7 STATIONS		SURFACE, MIDDLE AND BOTTOM	METER USED TO CHECK ACURRACY OF DROGUES
SALINITY	WATER	CONDUCTIVITY	PPT	7 STATIONS		SURFACE, MIDDLE AND BOTTOM	
TEMPERATURE	WATER	THERMISTOR	DEG F	7 STATIONS		SURFACE, MIDDLE AND BOTTOM	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MG-AT O2 PER LITER	7 STATIONS		SURFACE AND BOTTOM	
PH	WATER	SPECIFIC ION ELECTRODE	GRAMS PER LITER	7 STATIONS		SURFACE	

004728

WATER RESOURCES DATA FOR PENNSYLVANIA, PART ONE, SURFACE WATER RECORDS
DATA COLLECTED: 1961 TO PRESENT

RECEIVED: AUGUST 18, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., PENNSYLVANIA

ABSTRACT:
IN AN EFFORT TO CATALOG AND QUANTIFY SURFACE WATER SUPPLIES FOR PENNSYLVANIA, THE USGS HAS ESTABLISHED APPROXIMATELY 550 STREAM DISCHARGE MEASURING STATIONS ACROSS THE STATE. APPROXIMATELY 250 OF THESE ARE CONTINUALLY MONITORED. THE OTHER 300 STATIONS GENERATE PARTIALLY COMPLETE RECORDS. STREAM FLOWS ARE REPORTED IN CUBIC FEET PER SECOND, WITH MAXIMA, MINIMA, AND MONTHLY MEAN FLOW CALCULATED. DETAILED REPORTS ARE AVAILABLE FOR MANY OF THE STATIONS.
(AVAILABLE AS ANNUAL REPORT FOR ALL STATEWIDE MONITORS OR AS REPORTS FROM EACH STATION)

DATA AVAILABILITY:
ALSO IN ALL USGS OFFICIAL REPOSITORY LIBRARIES

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
300 PAGE INHOUSE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:

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GRID LOCATOR (LAT):
730794 730795 730796 730797 730798 730799 740704 740705 740706 740707 740708 740709 740714 740715 740716 740717 740718 740719
740724 740725 740726 740727 740728 740729

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT		550	STATIONS	ONCE ONLY		LOCATED BY LATITUDE AND LONGITUDE, BY VERBAL DESCRIPTION, AND SHOWN ON MAP
WATER TRANSPORT	WATER	FLOW METER	CUBIC FEET PER SECOND	550	STATIONS	ONE PER STATION PER DAY		MANY STATIONS HAVE PARTIAL RECORDS

111

120

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	SAMPLING TIME	YMDHML	550 STATIONS			

005060

THE EFFECTS OF VARIATION IN DISCHARGE ON THE STREAM CHEMISTRY OF THE CHRISTIANA RIVER, DELAWARE

DATA COLLECTED: APRIL 1973 TO JANUARY 1974

RECEIVED: OCTOBER 03, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., SOUTHEASTERN PENNSYLVANIA AND NORTHERN DELAWARE

ABSTRACT:
STREAM WATER CHEMISTRY DATA OBTAINED FROM THE CHRISTINA RIVER AND ROCKY RUN STREAM FOR THE PERIOD FROM APRIL, 1973 TO JANUARY, 1974 AND JUNE, 1973 TO OCTOBER, 1973, RESPECTIVELY, ARE PRESENTED IN REPORT FORM. LOW FLOW SAMPLES AS WELL AS SAMPLES COLLECTED DURING THE RISING, PEAK AND FALLING STAGES OF THE STREAMS DURING RAINFALL EVENTS ARE ANALYZED TO ILLUSTRATE THE VARIATION OF CHEMICAL PARAMETERS FROM VALUES REFLECTING GROUND WATER CHEMISTRY TO VALUES REFLECTING THE EFFECT OF DIRECT PRECIPITATION AND RUNOFF. RAINFALL MEASUREMENTS AND CHEMICAL ANALYSES OF RUNOFF ARE PRESENTED.
(GRID LOCATOR - CHRISTINA RIVER AND ROCKY RUN STREAM RESPECTIVELY)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
100 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
METZ, R.W., 1975, THE EFFECTS OF VARIATION IN DISCHARGE ON THE STREAM CHEMISTRY OF THE CHRISTINA RIVER, DELAWARE. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 100 P.

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GRID LOCATOR (LAT):
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PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	8	STATIONS			
TIME	EARTH	STATION TIME	YMD	113	OBS			
SODIUM	WATER	COLORIMETRY	MG/L	80	OBS			
TOTAL ALKALINITY	WATER	TITRATION	MG/L	101	OBS			
CHLORIDE	WATER	TITRATION	MG/L	116	OBS			
SILICON	WATER	COLORIMETRY	MG/L	82	OBS			
MAGNESIUM	WATER	COLORIMETRY	MG/L	84	OBS			
HARDNESS	WATER	TITRATION	MG/L	95	OBS			
CALCIUM	WATER	COLORIMETRY	MG/L	84	OBS			

123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ORTHOPHOSPHATE	WATER	COLORIMETRY	MG/L	76	OBS			
SULFATE	WATER	COLORIMETRY	MG/L	97	OBS			
NITRATE	WATER	COLORIMETRY	MG/L	108	OBS			
ELECTRICAL CONDUCTIVITY	WATER	LAB CONDUCTIVITY CELL	MICROMHOS PER CM	97	OBS			
WATER TRANSPORT	WATER	CALCULATED	CUBIC FEET PER SECOND	62	OBS			
WATER TRANSPORT	WATER	FLOW METER	CUBIC FEET PER SECOND	65	OBS			
WATER LEVEL	WATER	VISUAL	INCHES	97	OBS			
PH	WATER	COLORIMETRY	PH UNITS	80	OBS			
PHOSPHATE	WATER	COLORIMETRY	MG/L	1	OBS			

007235

INDIAN RIVER INLET WAVE STUDY
DATA COLLECTED: AUGUST 1973 TO AUGUST 1973

RECEIVED: OCTOBER 19, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE, MARYLAND

ABSTRACT:
MISSION W229, FLIGHT 02, WAS ACCOMPLISHED ON AUGUST 17, 1973, UTILIZING THE WALLOPS STATION C54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND A HELIUM NEON LASER IN COOPERATION WITH THE NASA LANGLEY RESEARCH CENTER AND THE COLLEGE OF MARINE STUDIES AT THE UNIVERSITY OF DELAWARE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL PHOTOGRAPHY AND LASER PROFILES OF WAVES APPROACHING INDIAN RIVER BAY, DELAWARE FROM A DISTANCE OF 50 MILES OFF SHORE UP TO THE INDIAN RIVER INLET.
(MISSION W229, FLIGHT 02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
45, 9"X9" PRINTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078541 73078542 73078543 73078544 73078545 73078520

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	2	STATIONS			
TIME	EARTH	STATION TIME	YMD	2	OBS	1 FLIGHT		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	2	OBS	1 FLIGHT	5000 & 500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
WAVE AMPLITUDE	WATER	LASER		2	OBS	1 FLIGHT		
WAVE DIRECTION	WATER	LASER		2	OBS	1 FLIGHT		
WAVE SPEED	WATER	LASER		2	OBS	1 FLIGHT		
WAVE PERIOD	WATER	LASER		2	OBS	1 FLIGHT		

007236

WAVE PROFILE STUDY-MARYLAND
DATA COLLECTED: AUGUST 1973 TO AUGUST 1973

RECEIVED: OCTOBER 19, 1976

125

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., MARYLAND

ABSTRACT:
MISSION W229, FLIGHT 01, WAS ACCOMPLISHED ON AUGUST 17, 1973, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQU'PPED WITH A T-11 AERIAL MAPPING CAMERA AND A HELIUM NEON LASER, IN COOPERATION WITH THE NASA LANGLEY RESEARCH CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO MAKE A STUDY OF WAVE ACTION USING AERIAL PHOTOGRAPHY AND LASER PROFILE TAPES.
(MISSION W229, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
49, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
7307850150

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	1	STATIONS			
TIME	EARTH	STATION TIME	YMD	1	OBS	2 FLIGHTS		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	1	OBS	2 FLIGHTS	5000 AND 500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
WAVE AMPLITUDE	WATER	LASER		1	OBS	2 FLIGHTS		
WAVE DIRECTION	WATER	LASER		1	OBS	2 FLIGHTS		
WAVE SPEED	WATER	LASER		1	OBS	2 FLIGHTS		
WAVE PERIOD	WATER	LASER		1	OBS	2 FLIGHTS		

116

DATA COLLECTED: SEPTEMBER 1975 TO NOVEMBER 1975 RECEIVED: OCTOBER 15, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., MID-ATLANTIC BIGHT REGION

ABSTRACT:
THIS FILE CONTAINS HYDROGRAPHIC MEASUREMENTS OF CURRENTS AT 5 STATIONS IN THE MID-ATLANTIC BIGHT AREA KNOWN AS EPA REGION III OCEAN DISPOSAL SITE. PARAMETERS MONITORED, ON A CONTINUOUS BASIS FOR A 54 DAY PERIOD FROM SEPTEMBER 4, 1975, INCLUDE CURRENT SPEED AND DIRECTION, TIDAL RANGE AND PERIOD, AND WATER DEPTH.
(THIS REPORT WAS PREPARED BY RAYTHEON COMPANY (OCEANOGRAPHIC AND ENVIRONMENTAL SERVICES) FOR PHILADELPHIA WATER DEPARTMENT)

DATA AVAILABILITY:
UPON REQUEST AND PERMISSION FROM PHILADELPHIA WATER DEPARTMENT

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
150 PAGES

FUNDING:
CITY OF PHILADELPHIA WATER DEPARTMENT

INVENTORY:

PUBLICATIONS:

CONTACT:
STEVEN TOWNSEND 215 686 3864
CITY OF PHILADELPHIA WATER DEPARTMENT
MUNICIPAL SERVICES BUILDING, 15TH AND JFK BOULEVARD
PHILADELPHIA PENNSYLVANIA USA 19107

GRID LOCATOR (LAT):
7307843300

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	5 STATIONS	CONTINUOUS		
TIME	EARTH	SAMPLING TIME	YMDHMS	5 STATIONS	CONTINUOUS		
CURRENT SPEED	WATER	IMPELLOR METER	FEET PER SECOND	5 STATIONS	CONTINUOUS	SUBSURFACE	
CURRENT DIRECTION	WATER	IMPELLOR METER	METERS DISPLACED FROM NORTH	5 STATIONS	CONTINUOUS	SUBSURFACE	
TIDAL PERIOD	WATER	DIRECT	HOURS	5 STATIONS	21 DAYS	WATER SURFACE	TIDE GAUGE
WATER LEVEL	WATER	PRESSURE TRANSDUCER	METERS	5 STATIONS	CONTINUOUS	WATER SURFACE	TIDAL HEIGHT WAS MEASURED
DEPTH	WATER	PRESSURE TRANSDUCER	FATHOMS	5 STATIONS	1 OBS/STATION	SURFACE TO BOTTOM	

12?<

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, CHESAPEAKE BAY, WYE ISLAND ESTUARY, WYE EAST RIVER, WYE RIVER

ABSTRACT:
THIS FILE CONTAINS DATA PERTINENT TO AN ECOLOGICAL AND ENVIRONMENTAL SURVEY OF WYE ISLAND ESTUARINE WATERS INCLUDING WYE RIVER, WYE EAST RIVER AND EAST BAY. THE SURVEY, TAKEN FROM AUGUST TO NOVEMBER 1973, MEASURED WATER FLOW, SALINITY, TEMPERATURE, PH, DISSOLVED OXYGEN, DEPTH, COUNT AND SPECIES OF: FISH, CRABS, CLAMS, BENTHIC ANIMALS, SIZE OF CLAMS, CRABS, FISH, AND DRAINAGE AREA OF ESTUARY.
(THIS REPORT WAS DONE FOR THE ROUSE COMPANY OF COLUMBIA, MARYLAND)

DATA AVAILABILITY:
UPON REQUEST AND PERMISSION AT WALLACE, MCHARG, ROBERTS, AND TODD OFFICES IN PHILADELPHIA

PLATFORM TYPES:
FIXED STATION; SHIP

ARCHIVE MEDIA:
REPORTS
75 PAGES

FUNDING:
THE ROUSE COMPANY (COLUMBIA MARYLAND)

INVENTORY:

PUBLICATIONS:

118

CONTACT:
BARBARA SHENKLE 215 564 2611
WALLACE, MCHARG, ROBERTS AND TODD INCORPORATED
1737 CHESTNUT STREET
PHILADELPHIA PENNSYLVANIA USA 19103

GRID LOCATOR (LAT):
7307865100

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP POSITIONS	20	STATIONS	1 TO 3 SURVEYS		
TIME	EARTH	STATION TIME	YMD	20	STATIONS	1 TO 3 SURVEYS		
SALINITY	WATER	CONDUCTIVITY	PPT	60	OBS	1 OBS/STATION/ 5 METERS OF DEPTH		20 STATIONS SURVEYED 3 TIMES EACH
WATER TRANSPORT	WATER	FLOW METER	CUBIC METER/ SECOND	12	OBS	2 OBS/STATION		1 MEASUREMENT AT MEAN LOW WATER AND 1 AT

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								MEAN HIGH WATER PER STATION
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	60	OBS	1 OBS/STATION/ 5 METERS OF DEPTH		20 STATIONS SURVEYED 3 TIMES EACH
DEPTH	WATER	WIRE LENGTH	METERS	30	OBS	3 OBS/STATION		
PH	WATER	PH METER	PH UNITS	21	OBS	2 OBS/STATION/ SAMPLING		10 STATIONS MEASURED BUT NOT ON EACH OF 3 SURVEYS
DISSOLVED OXYGEN GAS	WATER	TITRATION	PARTS PER MILLION	21	OBS	2 OBS/STATION/ SAMPLING		10 STATIONS MEASURED BUT NOT ON EACH OF 3 SURVEYS
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER/SPECIES	15	STATIONS			SEINE AND OTTER TRAWL NETS USED
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER/SPECIES	15	STATIONS			SEINE AND OTTER TRAWL NETS USED
MORPHOMETRIC MEASUREMENT OF PELAGIC FISH	WATER	DIRECT	MILLIMETERS	15	STATIONS			SEINE AND OTTER TRAWL NETS USED
COUNT OF ZOOPLANKTON	WATER	MICROSCOPE	NUMBER/CUBIC METER	5	STATIONS	1 SURVEY		
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	NUMBER/SPECIES	5	STATIONS	1 SURVEY		
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER/SQUARE METER/SPECIES	15	STATIONS	1 TO 3 SURVEYS		BLUE CRABS AND CLAMS IN PARTICULAR WERE MEASURED BUT ALSO OTHER SPECIES WERE NOTED
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER/SQUARE METER/SPECIES	15	STATIONS	1 TO 3 SURVEYS		BLUE CRABS AND CLAMS IN PARTICULAR WERE MEASURED BUT ALSO OTHER SPECIES WERE NOTED
MORPHOMETRIC MEASURE OF BENTHIC ANIMALS	BOTTOM	DIRECT	MILLIMETERS	15	STATIONS	1 TO 3 SURVEYS		BLUE CRABS AND CLAMS IN PARTICULAR WERE MEASURED BUT ALSO OTHER SPECIES WERE NOTED
LAND USE	LAND	AERIAL PHOTOGRAPHY	ACRES	1	OBS	1 SURVEY		WYE ISLAND DRAINAGE AREA

129

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							STUDIED

130

008016 ECOLOGICAL STUDIES IN THE VICINITY OF THE PROPOSED SUMMIT POWER STATION, VOLUME 1: FISHES

DATA COLLECTED: JANUARY 1974 TO DECEMBER 1974 RECEIVED: AUGUST 12, 1976

PROJECTS:
ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA, CHESAPEAKE AND DELAWARE CANAL

ABSTRACT:
DATA COLLECTED ON THE FISHES PRESENT IN THE CHESAPEAKE AND DELAWARE CANAL AND ADJACENT WATERS OF THE DELAWARE AND ELK RIVERS DURING THE 1974 ECOLOGICAL STUDY OF THE AQUATIC ENVIRONMENT IN THE VICINITY OF THE PROPOSED SUMMIT POWER PLANT ARE PRESENTED IN REPORT FORM. THE DATA WERE GATHERED IN 325 HAULS OF A 16-FOOT TRAWL, 83 HAULS OF A 10-FOOT TRAWL, 358 SEINE COLLECTIONS, 70 GILLNET SETS AND 21 DAYS OF CREEL CENSUS. SPECIES DETERMINATIONS AND DISTRIBUTIONS ARE PRESENTED ON A BIWEEKLY BASIS IN ORDER TO OBTAIN INFORMATION ON SEASONAL CHANGES IN POPULATION STRUCTURE. STOMACH ANALYSES OF SEVERAL SPECIES OF FISH ARE ALSO GIVEN ON A SEASONAL BASIS. LENGTH-FREQUENCY DISTRIBUTIONS AND CALCULATED GROWTH RATES OF PROMINENT SPECIES ARE INCLUDED, AS ARE THE RESULTS OF TAGGING STUDIES AND FECUNDITY STUDIES OF EGG PRODUCTION. DATA ON WATER DEPTH, SALINITY, CONDUCTIVITY, TEMPERATURE, DISSOLVED OXYGEN GAS, PH, SECCHI DISK DEPTH, AND TIDAL PHASE, OBTAINED DURING ALL SAMPLING EVENTS OF FISH, ARE LIKEWISE AVAILABLE IN THE REPORT.

DATA AVAILABILITY:
UPON REQUEST AND PERMISSION OF DELMARVA POWER AND LIGHT COMPANY

PLATFORM TYPES:
SHIP; FIXED STATION

ARCHIVE MEDIA:
REPORTS
327 PAGES

FUNDING:
DELMARVA POWER AND LIGHT COMPANY

INVENTORY:

PUBLICATIONS:
INTERPRETIVE REPORT 1974 BY ICHTHYOLOGICAL ASSOCIATES FOR UNITED ENGINEERS AND CONSTRUCTORS INC., CLIENT: DELMARVA POWER AND LIGHT COMPANY

CONTACT:
HUDSON HOEN 302 429 3205
DELMARVA POWER AND LIGHT COMPANY
800 KING STREET
WILMINGTON DELAWARE USA 19899

GRID LOCATOR (LAT):
73079534

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	52	STATIONS			12 16-FOOT TRAWL STATIONS, 14 10-FOOT TRAWL STATIONS, 10 SEINE STATIONS, 3 GILLNET STATIONS, 13 CREEL CENSUS STATIONS
TIME	EARTH	STATION TIME	YMDH	836	OBS	VARIES - WEEKLY TO MONTHLY		325 16-FOOT TRAWL HAULS, 83 10-FOOT TRAWL HAULS, 358 SEINE COLLECTIONS, 70 GILLNET SETS; ALSO 21 CREEL CENSUS DAYS
SALINITY	WATER	CONDUCTIVITY	PPT	920	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL/TEMPERATURE CORRECTED	ELECTRICAL CONDUCTION UNITS	928	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
TEMPERATURE	WATER	THERMISTOR	DEG C	1067	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PPM	637	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	INCHES	412	OBS			
PH	WATER	PH METER	PH UNITS	970	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
TIDAL CURRENT	WATER	DIRECTION VANE	COMPASS	563	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DIRECTION			DIRECTION					
TIDAL PHASE	WATER	VISUAL	HIGH/LOW/MID	770	OBS			
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG C	676	OBS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	SPECIES PER OBS PER STATION	836	OBS			
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER SPECIES PER OBS PER STATION	836	OBS			
CATCH/EFFORT OF PELAGIC FISH	WATER	NET	MEAN NUMBER OF INDIVIDUALS PER SPECIES PER OBS BY MONTH	478	OBS			16-FOOT TRAWL DAYLIGHT; 16-FOOT TRAWL NIGHT; 10-FOOT TRAWL DAYLIGHT; GILLNET DAYLIGHT
CATCH/EFFORT OF PELAGIC FISH	WATER	HOOKS	MEAN NUMBER OF INDIVIDUALS PER MAN-HOUR BY STATION	4881	DAYS			
CATCH/EFFORT OF BENTHIC ANIMALS	BOTTOM	TRAP	MEAN NUMBER OF INDIVIDUALS TRAPPED PER MAN-HOUR BY STATION	1824	DAYS			BLUE CRAB-CREEL SURVEY
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS CAUGHT BY POLLED FISHERMEN PER STATION PER MONTH	21	DAYS			
LENGTH OF PELAGIC FISH	WATER	FORK LENGTH	NUMBER OF INDIVIDUALS PER SPECIES PER 5-MM UNITS OF FORK LENGTH BY MONTHLY CATCH	15011	OBS			16-FOOT TRAWL, SEINE AND 10-FOOT TRAWL; CATCHES LISTED SEPARATELY
DIVERSITY INDEX OF PELAGIC FISH	WATER	MACARTHUR		33	OBS			SEINE DAYLIGHT, 16-FOOT TRAWL DAYLIGHT, SEINE NIGHT AND 16-FOOT TRAWL NIGHT INDICES SEPARATE
SPORT FISHERIES	WATER	QUESTIONNAIRE	MEAN NUMBER OF	4881	DAYS			

133

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ACTIVITIES			INDIVIDUALS PER MAN-HOUR BY MONTH					
LENGTH/WEIGHT RATIO IN PELAGIC FISH	WATER	CALCULATED		30	OBS			
MORPHOMETRIC MEASURE OF BENTHIC ANIMALS	BOTTOM	DIRECT	NUMBER OF CRABS PER 5 MM INTERVALS OF CARAPACE WIDTH PER MONTHLY SAMPLE PER STATION	707	OBS			3 STATIONS, APRIL - NOVEMBER
SEX DETERMINATION OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF MALES/ FEMALES PER 5 MM INTERVALS OF CARAPACE WIDTH PER MONTHLY SAMPLE PER STATION	707	OBS			
GROWTH STUDIES OF PELAGIC FISH	WATER	LENGTH/TIME	PERCENT TOTAL GROWTH PER YEAR CLASS PER YEAR	384	OBS			WHITE PERCH - MALE AND FEMALE COMBINED
STOMACH CONTENT ANALYSIS OF PELAGIC FISH	WATER	VISUAL	SPECIES	40	OBS			DETERMINED FOR 8 SPECIES OF FISH
FECUNDITY OF PELAGIC FISH	WATER	MECHANICAL	NUMBER OF EGGS 50 G SAMPLE OF OVARY PER INDIVIDUAL	16	OBS			WHITE PERCH EXAMINED FROM APRIL 16 - MAY 7, 1974
WEIGHT OF PELAGIC FISH	WATER	WET WEIGHT	G OF INDIVIDUAL	16	OBS			WHITE PERCH EXAMINED FROM APRIL 16 - MAY 7, 1974
AGE DATING OF PELAGIC FISH	WATER	SCALES	DESCRIPTIVE TERMS FOR AGE GROUP	16	OBS			WHITE PERCH EXAMINED FROM APRIL 16 - MAY 7, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, NORFOLK

ABSTRACT:
CONDUCTED FROM AUGUST, 1974 TO AUGUST 1975, THESE DATA CONCERN THE BEACH DYNAMICS OF THE OCEAN VIEW SECTION OF NORFOLK, VIRGINIA. PARAMETER OBSERVED WERE THE BEACH PROFILE, WAVE CHARACTERISTICS, WIND AND CURRENT SPEEDS, SEDIMENT CHARACTERISTICS AND BATHYMETRIC PROFILES.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP; FIXED STATION

ARCHIVE MEDIA:
REPORTS
500 PUNCHED CARDS; 3X300 PAGE NOTEBOOKS

FUNDING:
CITY OF NORFOLK, VIRGINIA

INVENTORY:

PUBLICATIONS:
FLEISHER, P., AND G.T. MCKEE, 1976, BEACH DYNAMICS AND EROSION CONTROL, OCEAN VIEW SECTION, NORFOLK, VIRGINIA, INST. OCEANOGRAPHY TECH REPORT NO.30, OLD DOMINION UNIVERSITY. 73P.

CONTACT:
PETER FLEISCHER 804 489 6477
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
73076641

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	116 STATIONS	111 STATIONS WERE OCCUPIED ONCE, 5 STATIONS WERE OCCUPIED WEEKLY		
TIME	EARTH	SAMPLING TIME	YMDHM	116 STATIONS			
ALTITUDE PROFILE	LAND	DIRECT	ONE HUNDREDTH FEET	116 STATIONS			
WAVE DIRECTION	WATER	VISUAL	DEGREES	116 STATIONS			COMPASS
WAVE AMPLITUDE	WATER	FIXED STAFF,	FEET	116 STATIONS			

123
434

135

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
WAVE PERIOD	WATER	VISUAL	SECONDS	116 STATIONS			STOPWATCH
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	GM/L	116 STATIONS			
WIND SPEED	AIR	ANEMOMETER	KNOTS	116 STATIONS			
CURRENT SPEED	WATER	IMPELLOR METER	FEET PER SECOND	116 STATIONS			
GRAVEL FRACTION	LAND	SIEVE	MM	116 STATIONS			
BATHYMETRY	WATER	CORRECTED SOUNDING DEPTH	FEET	116 STATIONS			

126

008869

AN ASSESSMENT OF ECONOMIC AND ENVIRONMENTAL EFFECTS OF COMPLETED PL-566 CHANNEL MODIFICATION PROJECTS IN WORCESTER AND WICOMICO COUNTIES, MARYLAND
DATA COLLECTED: SEPTEMBER 1974 TO OCTOBER 1975

RECEIVED: MAY 13, 1977

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, WORCESTER AND WICOMICO COUNTIES

ABSTRACT:
FROM SEPTEMBER 1974 THROUGH OCTOBER 1975 A FIELD STUDY OF THE WATER FLOW, WATER LEVEL, WATER QUALITY, AND INVERTEBRATE AND FISH POPULATIONS OF STREAMS AND OF THE TERRESTRIAL VEGETATION BORDERING STREAMS WAS CONDUCTED IN SEVEN WATERSHEDS IN WORCESTER AND WICOMICO COUNTIES, MARYLAND TO AID IN AN ENVIRONMENTAL AND ECONOMIC ASSESSMENT OF STREAM MODIFICATIONS WHICH HAD BEEN INSTALLED UNDER PROVISIONS OF THE WATERSHED PROTECTION AND FLOOD PREVENTION ACT. FINDINGS WERE PRESENTED IN THE COMPREHENSIVE ENVIRONMENTAL ASSESSMENT REPORT.
(REPORT PREPARED FOR U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, COLLEGE PARK, MARYLAND 20740; MAPS OF TOPOGRAPHY, GEOLOGY, SOILS, AND TERRESTRIAL COMMUNITIES INCLUDED IN REPORT)

DATA AVAILABILITY:
REPORT AVAILABLE FOR ON SITE USE OR PHOTOCOPY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
424 PAGE INHOUSE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
SENIOR TECHNICAL ADVISOR 201 627 5726
ECOLSCIENCES, INC.
20 UNION STREET
ROCKAWAY NEW JERSEY USA 07866

GRID LOCATOR (LAT):
73078500 73078501 73078502 73078503 73078504 73078505 73078510 73078511 73078512 73078513 73078514 73078515 73078520 73078521
73078522 73078523 73078524 73078525

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	53	STATIONS			19 STREAMS, 14 WELLS, 20 FOREST STATIONS
TIME	EARTH	STATION TIME	YMD	1107	OBS			
WATER TRANSPORT	WATER	FLOW METER	CUBIC FEET/ SECOND	303	OBS			5 FLOW GAGE STATIONS

1372

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
WATER TABLE ELEVATION	LAND	DIRECT	FEET BELOW GROUND LEVEL	250	OBS	1 OBS/STATION/ 2 WEEKS		
WATER LEVEL	WATER	VISUAL	FEET BELOW GROUND LEVEL	216	OBS	1 OBS/STATION/ 2 WEEKS		
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	206	OBS	1 OBS/STATION/ MONTH		
DISSOLVED OXYGEN GAS	WATER	TITRATION	MG/L	206	OBS	1 OBS/STATION/ MONTH		
PH	WATER	PH METER	PH UNITS	206	OBS	1 OBS/STATION/ MONTH		
LIGHT ATTENUATIO N	WATER	COLORIMETRY	JACKSON TURBIDITY UNITS	206	OBS	1 OBS/STATION/ MONTH		
TOTAL SOLIDS	SUSPENDED	DRY WEIGHT	MG/L	206	OBS	1 OBS/STATION/ MONTH		
PHOSPHORUS	WATER	AUTOANALYZER	MG/L	206	OBS	1 OBS/STATION/ MONTH		
NITRATE PLUS NITRITE	WATER	AUTOANALYZER	MG/L	206	OBS	1 OBS/STATION/ MONTH		
AMMONIA	WATER	AUTOANALYZER	MG/L	206	OBS	1 OBS/STATION/ MONTH		
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	SPECIES	22	OBS			
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER/SPECIES	22	OBS			
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	SPECIES	9	OBS			
COUNT OF ZOOPLANKTON	WATER	FIXED, UNSTAINED, ALIQUOT	NUMBER/SPECIES/ CUBIC METER	9	OBS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	SPECIES	11	OBS			
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER/SPECIES	11	OBS			
LENGTH OF PELAGIC FISH	WATER	TOTAL LENGTH	RANGE IN MILLIMETERS/ SPECIES	11	OBS			
WEIGHT OF PELAGIC FISH	WATER	WET WEIGHT	RANGE IN GRAMS/ SPECIES	11	OBS			
SPECIES DETERMINATION OF LAND PLANTS	LAND	KEY	SPECIES	120	OBS			TREES EQUAL TO OR EXCEEDING 2 INCHES DBH; UNDERSTORY VEGETATION
COUNT OF LAND PLANTS	LAND	VISUAL	NUMBER/SPECIES	100	OBS			TREES EQUAL TO OR EXCEEDING 2 INCHES DBH

128

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
ORTHOPHOSPHATE	WATER	AUTOANALYZER	MG/L	206 OBS	1 OBS/STATION/ MONTH		

008878

WINTER DROGUE STUDY, ATLANTIC GENERATING SITE, TECHNICAL REPORT NO. 2
DATA COLLECTED: DECEMBER 1972 TO JANUARY 1973

RECEIVED: MAY 13, 1977

139 A

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
FINDINGS OF A DROGUE STUDY CONDUCTED FROM DECEMBER 1972 THROUGH JANUARY 1973 OF SURFACE AND SUBSURFACE OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION ARE PRESENTED IN REPORT FORM.

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING.

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
25 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
MCCAREY, K., J.W. COOPER, AND R.G. ELDRIDGE, 1973. WINTER DROGUE STUDY, ATLANTIC GENERATING SITE. TECHNICAL REPORT NO. 2 FOR PUBLIC SERVICE ELECTRIC AND GAS COMPANY. EG AND G, ENVIRONMENTAL CONSULTANTS, 25 P.

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

1:50

GRID LOCATOR (LAT):
7307942148 7307942155 7307942156 7307942157 7307942158 7307942164 7307942165 7307942166 7307942167 7307942172 7307942173 7307942174 7307942175 7307942176 7307942177 7307942181 7307942182 7307942183 7307942184 7307942185 7307942192 7307942193 7307942194

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	GENERAL AREA	CHART LOCATION-DM	1	STATIONS			AREA AROUND ATLANTIC GENERATING STATION SITE
TIME	EARTH	STATION TIME	YMDH	58	OBS	3 STATION OBS/ DAY		
CURRENT RELEASE TIME	WATER	SAMPLING TIME	YMDH	121	OBS		SURFACE, 4, 6, AND 8 METERS	DROGUES SET AT 2 OR 3 DEPTHS/ STATION OBS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT RELEASE POSITION	WATER	RADAR	CHART LOCATION-DM	121 OBS			
CURRENT RECOVERY TIME	WATER	SAMPLING TIME	YMDH	121 OBS		SURFACE, 4, 6, AND 8 METERS	DROGUES SET AT 2 OR 3 DEPTHS/ STATION OBS
CURRENT RECOVERY POSITION	WATER	RADAR	CHART LOCATION-DM	121 OBS			

008879 CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS DURING MARCH, APRIL, AND MAY 1975 PAGE 01
DATA COLLECTED: MARCH 1975 TO MAY 1975 RECEIVED: MAY 13, 1977

141

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING MARCH, APRIL, AND MAY 1975. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5-5 AND 10-10.5 METERS AT TWO SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE THREE MONTH PERIOD.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING.

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
52 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942185 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	2	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	8736	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS THROUGH 5 AND 10 THROUGH 10 AND 5 TENTHS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	8736	OBS		METERS	CURRENTS OVER 3 MONTHS SAVONIUS ROTOR METER WITH TILT CORRECTION ; ELECTROMAGNETIC CURRENT METER
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	8736	OBS			

142

CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS DURING DECEMBER 1974, JANUARY AND FEBRUARY 1975

DATA COLLECTED: DECEMBER 1974 TO FEBRUARY 1975 RECEIVED: MAY 13, 1977

143

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING DECEMBER 1974, JANUARY AND FEBRUARY 1975. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE THREE MONTH PERIOD.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 01254; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING.

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
69 PAGE REPORT

FUNDING:

INVENTORY:

134

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	26784	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS, AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	26784	OBS			AVERAGED CURRENTS OVER 3 MONTHS SAVONIUS ROTOR METER WITH TILT CORRECTION ; ELECTROMAGNETIC CURRENT METER
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	26784	OBS			

CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS DURING SEPTEMBER, OCTOBER, AND NOVEMBER 1974

DATA COLLECTED: SEPTEMBER 1974 TO NOVEMBER 1974

RECEIVED: MAY 13, 1977

145

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING SEPTEMBER, OCTOBER, AND NOVEMBER 1974. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE THREE MONTH PERIOD.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING.

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
62 PAGE REPORT

FUNDING:

1536

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	26208	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	26208	OBS			AVERAGED CURRENTS OVER 3 MONTHS SAVONIUS ROTOR METER WITH TILT CORRECTION ; ELECTROMAGNETIC CURRENT METER
CURRENT DIRECTION	WATER	DIRECTION VANE	DEGREES	26208	OBS			

147

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING JULY 1974. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE MONTH.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
33 PAGE REPORT

FUNDING:

INVENTORY:

138

PUBLICATIONS:
IN-HOUSE REPORT

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	8928	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	8928	OBS			CURRENTS OVER MONTH SAVONIUS ROTOR METER WITH TILT CORRECTION ; IMPELLOR METER
CURRENT DIRECTION	WATER	VARIOUS	DEGREES	8928	OBS			DIRECTION VANE, IMPELLOR METER

149>

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING MAY 1974. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE MONTH.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
43 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

140

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	8640	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED

008883 CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS DURING MAY 1974 (CONT.) PAGE 02

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CENTIMETERS/ SECOND	8640	OBS			CURRENTS OVER MONTH SAVONIUS ROTOR METER WITH TILT CORRECTION ; IMPELLOR METER
CURRENT DIRECTION	WATER	VARIOUS	DEGREES	8640	OBS			DIRECTION VANE; IMPELLOR METER

008884

CURRENTS OBSERVED IN NEW JERSEY COASTAL WATERS DURING MARCH 1974
DATA COLLECTED: MARCH 1974 TO MARCH 1974

RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

151

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING MARCH 1974. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS OVER THE MONTH.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
32 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

142

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORING CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	8928	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	8928	OBS			CURRENTS OVER MONTH SAVONIUS ROTOR METER WITH TILT CORRECTION ; IMPELLOR METER
CURRENT DIRECTION	WATER	VARIOUS	DEGREES	8928	OBS			DIRECTION VANE; IMPELLOR METER

DATA COLLECTED: JANUARY 1973 TO DECEMBER 1973 RECEIVED: MAY 13, 1977

153

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING JANUARY THROUGH DECEMBER 1973. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEEED AND DIRECTION OF HOURLY AVERAGED CURRENTS PER MONTH.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING.

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
191 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

144

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	111770	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	111770 OBS			AVERAGED CURRENTS/MONTH SAVONIUS ROTOR METER WITH TILT CORRECTION ; IMPELLOR METER
CURRENT DIRECTION	WATER	VARIOUS	DEGREES	111770 OBS			DIRECTION VANE; IMPELLOR METER

DATA COLLECTED: APRIL 1972 TO DECEMBER 1972 RECEIVED: MAY 13, 1977

155

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF OCEAN CURRENTS OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED FROM APRIL THROUGH DECEMBER 1972. CURRENT METERS DEPLOYED AT DEPTHS OF 4.5 AND 10-11 METERS AT SEVERAL SITES CONTINUOUSLY MONITORED CURRENT SPEED AND DIRECTION. FINDINGS WERE PRESENTED AS THE FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED CURRENTS PER MONTH.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; TIME-SERIES PLOTS OF CURRENT DATA, WIND DATA, TIDAL HEIGHT, AND BAROMETRIC PRESSURE INCLUDED IN REPORT.)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
109 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

146

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942156 7307942174 7307942175 7307942184 7307942185 7307942186 7307943123

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	7	STATIONS			MOORED CURRENT METER STATIONS
TIME	EARTH	STATION TIME	YMDH	59450	OBS	1 OBS/DEPTH/STATION/HOUR	4 AND 5 TENTHS AND 10 THROUGH 11 METERS	FREQUENCY OF OCCURRENCE OF CURRENT SPEED AND DIRECTION OF HOURLY AVERAGED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	VARIOUS	CM/SEC	59450 OBS			CURRENTS/MONTH SAVONIUS ROTOR METER WITH TILT CORRECTION ; IMPELLOR METER
CURRENT DIRECTION	WATER	VARIOUS	DEGREES	59450 OBS			DIRECTION VANE; IMPELLOR METER

008889 WAVE OBSERVATIONS IN NEW JERSEY COASTAL WATERS DURING MARCH, APRIL, AND MAY 1975 PAGE 01
DATA COLLECTED: MARCH 1975 TO MAY 1975 RECEIVED: MAY 13, 1977

152 A

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF WAVE CHARACTERISTICS OF THE OCEAN OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING MARCH, APRIL, AND MAY, 1975. A WAVE RIDER WAVE MEASUREMENT SYSTEM DEPLOYED NEAR THE PROPOSED SITE RECORDED WAVES EVERY 6 HOURS. REPORTED PARAMETERS INCLUDED SIGNIFICANT WAVE HEIGHT, MAXIMUM WAVE HEIGHT, AND PEAK SPECTRAL PERIOD.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; GRAPHICAL DISPLAY OF SIGNIFICANT WAVE HEIGHT AND WIND SPEED AND DIRECTION, TIME SERIES PLOTS OF ENERGY DENSITY AND SPECTRA AND CO-CUMULATIVE WAVE ENERGY, AND JOINT HISTOGRAMS OF SIGNIFICANT WAVE HEIGHTS AND PEAK SPECTRAL PERIODS INCLUDED IN REPORT)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
222 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

148

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942185

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	1	STATIONS			
TIME	EARTH	STATION TIME	YMDH	312	OBS	1 OBS/6 HOURS		
WAVE AMPLITUDE	WATER	ACCELEROMETER	METERS	312	OBS			SIGNIFICANT WAVE HEIGHT, MAXIMUM WAVE OBSERVED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
WAVE PERIOD	WATER	ACCELEROMETER	SECONDS	312 OBS			PEAK SPECTRAL PERIOD
WAVE SPECTRAL DENSITY	WATER	APPROACH FROM ACCELEROMETER		312 OBS			

008890 WAVE OBSERVATIONS IN NEW JERSEY COASTAL WATERS DURING JUNE, JULY, AND AUGUST 1975 PAGE 01

DATA COLLECTED: JUNE 1975 TO AUGUST 1975 RECEIVED: MAY 13, 1977

156A

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF WAVE CHARACTERISTICS OF THE OCEAN OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING JUNE, JULY, AND AUGUST 1975. A WAVE RIDER WAVE MEASUREMENT SYSTEM DEPLOYED NEAR THE PROPOSED SITE RECORDED WAVES EVERY 6 HOURS. REPORTED PARAMETERS INCLUDED SIGNIFICANT WAVE HEIGHT, MAXIMUM WAVE HEIGHT, AND PEAK SPECTRAL PERIOD.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; GRAPHICAL DISPLAY OF SIGNIFICANT WAVE HEIGHT AND WIND SPEED AND DIRECTION, TIME SERIES PLOTS OF ENERGY DENSITY SPECTRA AND CO-CUMULATIVE WAVE ENERGY, AND JOINT HISTOGRAMS OF SIGNIFICANT WAVE HEIGHTS AND PEAK SPECTRAL PERIODS INCLUDED IN REPORT)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
209 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

156

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942185

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-CM	1	STATIONS			
TIME	EARTH	STATION TIME	YMDH	264	OBS	1 OBS/6 HOURS		
WAVE AMPLITUDE	WATER	ACCELEROMETER	METERS	264	OBS			SIGNIFICANT WAVE HEIGHT, MAXIMUM WAVE

008890 WAVE OBSERVATIONS IN NEW JERSEY COASTAL WATERS DURING JUNE, JULY, AND AUGUST (CONT.) 1975 PAGE 02

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
WAVE PERIOD	WATER	ACCELEROMETER	SECONDS	264	OBS			OBSERVED PEAK SPECTRAL PERIOD
WAVE SPECTRAL DENSITY	WATER	APPROACH FROM ACCELEROMETER		264	OBS			

WAVE OBSERVATIONS IN NEW JERSEY COASTAL WATERS DURING SEPTEMBER, OCTOBER, AND NOVEMBER 1975

DATA COLLECTED: SEPTEMBER 1975 TO NOVEMBER 1975

RECEIVED: MAY 13, 1977

161

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY, GREAT BAY

ABSTRACT:
A STUDY OF WAVE CHARACTERISTICS OF THE OCEAN OFF THE MOUTH OF GREAT BAY, NEW JERSEY IN THE VICINITY OF THE PROPOSED ATLANTIC GENERATING STATION WAS CONDUCTED DURING SEPTEMBER, OCTOBER, AND NOVEMBER 1975. A WAVE RIDER WAVE MEASUREMENT SYSTEM DEPLOYED NEAR THE PROPOSED SITE RECORDED WAVES EVERY 6 HOURS. REPORTED PARAMETERS INCLUDED SIGNIFICANT WAVE HEIGHT, MAXIMUM WAVE HEIGHT, AND PEAK SPECTRAL PERIOD.
(REPORT COMPILED BY EG AND G, ENVIRONMENTAL CONSULTANTS, WALTHAM, MASSACHUSETTS 02154; GRAPHICAL DISPLAY OF SIGNIFICANT WAVE HEIGHT AND WIND SPEED AND DIRECTION, TIME SERIES PLOTS OF ENERGY DENSITY SPECTRA AND CO-CUMULATIVE WAVE ENERGY, AND JOINT HISTOGRAMS OF SIGNIFICANT WAVE HEIGHTS AND PEAK SPECTRAL PERIODS INCLUDED IN REPORT)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTING OR PHOTOCOPYING

PLATFORM TYPES:
BUOY

ARCHIVE MEDIA:
REPORTS
206 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
IN-HOUSE REPORT

1977

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
7307942185

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	CHART LOCATION-DM	1	STATIONS			
TIME	EARTH	STATION TIME	YMDH	264	OBS	1 OBS/6 HOURS		
WAVE AMPLITUDE	WATER	ACCELEROMETER	METERS	264	OBS			SIGNIFICANT WAVE HEIGHT, MAXIMUM WAVE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
WAVE PERIOD	WATER	ACCELEROMETER	SECONDS	264	OBS			OBSERVED PEAK SPECTRAL PERIOD
WAVE SPECTRAL DENSITY	WATER	APPROACH FROM ACCELEROMETER		264	OBS			

ANNEX II

Data Files

Part B

Data File Index - Listed by Key Word

Hydrologic Modifications

This index contains an alphabetical listing by key word of the data files in this annex. After some key words is a number or series of numbers which reference the page numbers of the particular file(s) within this report. Most of the files are referenced by more than one key word. Underlined numbers indicate files generated after January 1, 1973.

The key words which do not reference any relevant files are included to indicate the extent of the file search.

ANNEX II

Part B
Data File Index Listed by Key Word

Hydrologic Modifications

bathymetry (water)
8, 25, 34, 58, 67, 92, 109, 125

bathythermograph
use in depth (water), temperature (water)

beaufort
use sea state

bottom slope
use slope (bottom)

bottom topography
use bathymetry

breaker
use surf

breaker classification (water)
74, 76

breaker depth (water)
none

BT
use depth (water), temperature (water)

bucket temperature
use temperature (water)

chart
use bathymetry

current direction (water)
18, 23, 25, 27, 29, 30, 32, 36, 41, 43, 45, 47, 49, 58, 69, 79, 86, 88, 90, 99, 107, 117, 132, 134, 136, 138, 140, 142, 144, 146

current recovery position (water)
86, 107, 130

current recovery time (water)
107, 130

current release position (water)
107, 130

current release time (water)
130

current speed (water)
6, 8, 18, 23, 25, 27, 29, 30, 32, 36, 41, 43, 45, 47, 49, 58, 84, 88, 90, 97, 99, 117, 125, 132, 134, 136, 138, 140, 142, 144, 146.

current speed, east component (water)
none

current speed, north component (water)
none

current transport
use water transport

current velocity
use current direction, current speed, geostrophic, water transport

density (water)
14, 16, 69

depth (water)
8, 14, 16, 18, 21, 30, 32, 36, 51, 53, 60, 67, 86, 88, 107, 117, 118

depth factor
use wave height coefficient

Douglas swell code
use swell height

drift current measurements
use current

drogue
use current

eddy diffusion (water)
    none

flow
    use current water transport

geostrophic current direction (water)
    none

geostrophic current speed (water)
    none

geostrophic current velocity
    use geostrophic current direction, geostrophic current speed

group speed
    use wave group speed

hydrography
    use bathymetry

hydrostatic pressure
    use pressure (water)

internal wave amplitude (water)
    none

internal wave direction (water)
    none

internal wave frequency
    use internal wave period

internal wave period (water)
    none

internal wave speed (water)
    none

length (water)
    none

longshore current
    use current speed

phase velocity
    use wave speed

potential density (water)
none

potential temperature (water)
none

pressure (water)
none

refraction coefficient
use wave height coefficient

salinity (water)
6, 8, 11, 14, 16, 19, 23, 25, 27, 30, 32, 36, 49, 53, 69, 86, 90, 94, 97, 102, 107, 109, 118, 121

salinity flux (water)
none

sea
use sea direction, sea height, sea period, sea state

sea direction (water)
none

sea height (water)
none

sea level
use water level

sea period (water)
none

sea state (water)
none

sea surface temperature
use temperature (water)

seiche
use seiche amplitude, seiche direction, seiche length, seiche period

seiche amplitude (water)
none

seiche direction (water)
    none

seiche length (water)
    none

seiche period (water)
    none

shoaling coefficient
    use wave height coefficient

shoaling factor
    use wave height coefficient

slope (bottom)
    none

stability (water)
    none

stream discharge
    use water transport

stream length
    use length (water)

stream width
    use width (water)

surf direction (water)
    74

surf height (water)
    74

surf period (water)
    74

surface temperature
    use temperature (water)

surge
    use swell, water level

swell direction (water)
    none

swell height (water)
none

swell period (water)
none

temperature (water)
6, 8, 11, 14, 16, 23, 25, 27, 30, 32, 36, 49, 51, 53, 60, 69, 80, 82, 86, 88, 90, 92, 94, 97, 102, 107, 109, 118, 121, 127

thermocline depth (water)
none

tidal current direction (water)
21, 53, 60, 62, 63, 65, 121

tidal current speed (water)
11, 21, 60, 62, 63, 65, 109

tidal current velocity
use tidal current speed, tidal current direction

tidal height
use water level

tidal period (water)
53, 117

tidal phase (water)
121

topography (bottom)
use bathymetry

transverse current
use current speed

water depth
use bathymetry

water level (water)
36, 109, 117, 127

water stage
use water level

water transport (water)
19, 80, 82, 92, 111, 113, 118, 127

wave
use breaker, internal wave, sea, seiche, surf, swell

wave age (water)
none

wave amplitude (water)
21, 29, 58, 71, 72, 76, 77, 94, 99, 102, 115, 116, 125, 148, 150, 152

wave direction (water)
29, 58, 76, 99, 102, 115, 116, 125

wave displacement (water)
none

wave force (water)
none

wave frequency
use wave period

wave group speed (water)
none

wave height
use wave amplitude

wave height coefficient (water)
none

wave length (water)
none

wave number
use wave length

wave period (water)
76, 77, 94, 99, 115, 116, 125, 148, 150, 152

wave phase velocity
use wave speed

wave refraction (water)
none

wave speed (water)
58, 115, 116

wave velocity
    use wave speed

width (water)
    none

172<

ANNEX III

Monitoring Programs

Hydrologic Modifications

The monitoring programs identified for this report form three categories, as follows:

Continuous monitoring programs presently active in the Chesapeake Bay - 13 files.

Continuous monitoring programs initiated after January 1967 that have operated five (5) years or longer, but are presently not operational - 0 files.

Continuous monitoring programs initiated prior to January 1967 that have operated ten (10) years or longer and are presently not operational - 3 files.

The programs are arranged by date of initiation, earliest first.

DATA COLLECTED: 1834 TO PRESENT

125

MONITORING PROJECTS:
HYDROGRAPHIC SURVEYS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, SOUTH PACIFIC OCEAN, U.S., COASTAL

ABSTRACT:
DATA BASE CONSISTS OF OVER 23,000 INDIVIDUAL HYDROGRAPHIC SURVEYS SINCE 1834. THESE SURVEYS ARE RECORDED ON BOAT SHEETS ON THE VESSEL AS THE SURVEY IS TAKEN, THEN SENT TO THE HYDROGRAPHIC DATA SECTION FOR PROCESSING. SURVEYS COVER ALL COASTAL U.S. AND POSSESSIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, HYDROGRAPHIC DATA SECTION, CODE 3233 301-443-8408
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:
COMPILE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 67.

DATA COLLECTED: AUGUST 1917 TO AUGUST 1965

MONITORING PROJECTS:
TIDAL CURRENTS, CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, VIRGINIA

ABSTRACT:
VARIOUS CURRENT SURVEYS OF THE CHESAPEAKE BAY AND MAJOR TRIBUTARIES WERE CONDUCTED IN THE YEARS 1917 TO 1965. MOST STATIONS WERE OCCUPIED FOR AN AVERAGE OF 4 DAYS WITH HALF HOURLY SAMPLES. SAMPLING DEVICES USED INCLUDE CURRENT POLES, PRICE CURRENT METERS, EKMAN CURRENT METERS, ROBERTS RADIO CURRENT METERS AND VON ARX CURRENT METERS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, OCEANOGRPAHIC SURVEY BRANCH 301-443-8501
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 63.

176

DATA COLLECTED: AUGUST 1924 AND NOVEMBER 1959

MONITORING PROJECTS:
TIDAL CURRENTS, DELAWARE BAY AND RIVER

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE, DELAWARE BAY, DELAWARE RIVER

ABSTRACT:
A SERIES OF 5 SURVEYS OF THE DELAWARE BAY AND RIVER WERE MADE IN 1924 (42 STATIONS), 1929 (INDIAN RIVER INLET), 1947 (62 STATIONS), 1953 (26 STATIONS) AND 1959 (2 STATIONS AT BAY ENTRANCE AND 2 AT RIVER ENTRANCE).

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301-443-8501
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 65.

DATA COLLECTED: MAY 1934 TO APRIL 1966

MONITORING PROJECTS:

TIDAL CURRENTS, VIRGINIA

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, JAMES, YORK AND RAPPAHANNOCK RIVERS

ABSTRACT:

SIX SURVEYS OF THE VIRGINIA COAST AND THE JAMES, YORK AND RAPPAHANNOCK RIVERS. OBSERVATIONS WERE OBTAINED BY THE USE OF CURRENT POLES AND ROBERTS RADIO CURRENT METERS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

CHIEF, OCEANOGRAPHIC SURVEY BRANCH 301-443-8501
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 62.

DATA COLLECTED: SEPTEMBER 1954 TO PRESENT

MONITORING PROJECTS:
COOPERATIVE SURF OBSERVATION FILE

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S.

ABSTRACT:
THIS FILE CONTAINS VISUAL OBSERVATIONS OF OCEAN WAVE HEIGHT, PERIOD, DIRECTION AND BREAKER TYPE FOR BREAKING WAVES IN THE SURF ZONE. OBSERVATIONS ARE GENERALLY MADE 6 TIMES DAILY AT 4 HOUR INTERVALS. OBJECTIVES OF THE PROGRAM ARE TO PROVIDE SCIENTISTS AND ENGINEERS WITH A KNOWLEDGE OF SURF ZONE WAVE CLIMATOLOGY FOR USE IN RESEARCH AND IN DESIGN OF COASTAL STRUCTURES. RECORDS FOR EACH STATION ARE NOT CONTINUOUS, GAPS EXIST IN DATA COLLECTING. APPLICATION PROGRAMS HAVE BEEN WRITTEN BY THE CERC ADP STAFF TO PERFORM MANY FUNCTIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. D. L. HARRIS 202-325-7598
OCEANOGRAPHY BRANCH, COASTAL ENGINEERING RESEARCH CENTER
DEPARTMENT OF THE ARMY
KINGMAN BUILDING
FORT BELVOIR, VIRGINIA, USA 22060

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 74.

DATA COLLECTED: 1961 TO PRESENT

MONITORING PROJECTS:
WATER RESOURCES DATA FOR PENNSYLVANIA - PART ONE, SURFACE WATER RECORDS

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., PENNSYLVANIA

ABSTRACT:
IN AN EFFORT TO CATALOG AND QUANTIFY SURFACE WATER SUPPLIES FOR PENNSYLVANIA, THE USGS HAS ESTABLISHED APPROXIMATELY 550 STREAM DISCHARGE MEASURING STATIONS ACROSS THE STATE. APPROXIMATELY 250 OF THESE ARE CONTINUALLY MONITORED. THE OTHER 300 STATIONS GENERATE PARTIALLY COMPLETE RECORDS. STREAM FLOWS ARE REPORTED IN CUBIC FEET PER SECOND WITH MAXIMA, MINIMA AND MONTHLY MEAN FLOW CALCULATED. DETAILED REPORTS ARE AVAILABLE FOR MANY OF THE STATIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
P. DEMARTE 717-782-4514
U.S. GEOLOGICAL SURVEY
228 WALNUT STREET
HARRISBURG, PENNSYLVANIA, USA 17108

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 111.

DATA COLLECTED: 1962 TO PRESENT

181

MONITORING PROJECTS:

BEACH EVALUATION PROGRAM - VISUAL WAVE OBSERVATION DATA

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., MASSACHUSETTS, RHODE ISLAND, NEW YORK, NEW JERSEY, VIRGINIA, NORTH CAROLINA

ABSTRACT:

USUAL WAVE OBSERVATION DATA INCLUDES INFORMATION ON WAVE HEIGHTS, PERIODS, DIRECTIONS AND BREAKER TYPES. DATA IS PRIMARILY RECEIVED FROM CORPS COASTAL DISTRICTS AND DIVISIONS IN THE FORM OF OPTICAL MARK PAGE SCANNING FORMS AND/OR FIELD SURVEY CHARTS. THE DATA IS THEN PUNCHED ON CARDS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

C. J. GALVIN 202-325-7378
COASTAL ENGINEERING RESEARCH CENTER
DEPARTMENT OF THE ARMY
KINGMAN BUILDING
FORT BELVOIR, VIRGINIA, USA 22060

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 76.

DATA COLLECTED: MAY 1966 TO PRESENT

MONITORING PROJECTS:
OCEAN WAVE DATA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S., NEW JERSEY, VIRGINIA, NORTH CAROLINA, GEORGIA, FLORIDA, CALIFORNIA

ABSTRACT:
FILE CONTAINS RECORDS OF WAVE HEIGHTS FROM 12 LOCATIONS IN 6 STATES. DATA IS RECEIVED FROM AUTOMATED WAVE GAUGES AND IS BASIC WAVE DATA FOR ESTABLISHING WAVE CLIMATOLOGY AND FOR SPECIAL RESEARCH PROJECTS. APPLICATION PROGRAMS HAVE BEEN WRITTEN BY CERC ADP STAFF FOR MANY FUNCTIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. D. L. HARRIS 202-325-7397
OCEANOGRAPHY BRANCH, COASTAL ENGINEERING RESEARCH CENTER
DEPARTMENT OF THE ARMY
KINGMAN BUILDING
FORT BELVOIR, VIRGINIA, USA 22060

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 72.

DATA COLLECTED: 1968 TO PRESENT

MONITORING PROJECTS:

OCEAN WAVE CLIMATOLOGY - SIGNIFICANT WAVE HEIGHTS AND PERIODS

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S.

ABSTRACT:

SIGNIFICANT WAVE HEIGHT AND PERIOD DATA FROM PEN AND INK RECORDS HAVE BEEN DIGITIZED ON PUNCHED CARDS. THE DATA COVERS OBSERVATIONS FROM 43 STATIONS, SAMPLED DAILY.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

MR. E. THOMPSON 202-325-7399
OCEANOGRAPHY BRANCH, COASTAL ENGINEERING RESEARCH CENTER
DEPARTMENT OF THE ARMY
KINGMAN BUILDING
FORT BELVOIR, VIRGINIA, USA 22062

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 77.

DATA COLLECTED: MARCH 1969 TO PRESENT

MONITORING PROJECTS:

DELAWARE RIVER ANADROMOUS FISHERIES STUDY - ADULT AMERICAN SHAD TAGGING AND RECOVERY DATA

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE, DELAWARE RIVER BASIN

ABSTRACT:

TAGGING AND RECOVERY STUDY OF THE ADULT AMERICAN SHAD WAS BEGUN IN 1969. EIGHT STATIONS ARE ROUTINELY SAMPLED WITH DRIFT GILL NETS, ANCHOR GILL NETS, POUND NETS, HAUL SEINE, TRAP NETS, HOOP NETS AND WEIR NETS. ANCILLARY DATA INCLUDES WATER TEMPERATURE, DISSOLVED OXYGEN AND WATER FLOW.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

JOSEPH P. MILLER 609-397-0115
DELAWARE RIVER BASIN, ANADROMOUS FISHERIES STUDY
P.O. BOX 95
ROSEMONT, NEW JERSEY, USA 08556

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 82.

185>

DATA COLLECTED: OCTOBER 1971 TO PRESENT

MONITORING PROJECTS:

TIDAL CURRENTS AT MOUTH OF CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., VIRGINIA, MOUTH OF CHESAPEAKE BAY

ABSTRACT:

TIDAL CURRENT SPEED AND DIRECTION AT THE ENTRANCE TO CHESAPEAKE BAY OBTAINED OVER 30 HOUR PERIODS. DATA REDUCED TO OBTAIN DEPTH PROFILES OF CURRENT PARAMETERS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

JOHN LUDWICK 703-489-6000
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA, USA 23508

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 21.

DATA COLLECTED: MARCH 1972 TO PRESENT

MONITORING PROJECTS:

RHODE AND WEST RIVER TEMPERATURE AND CONDUCTIVITY RECORDS

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, RHODE AND WEST RIVERS

ABSTRACT:

FILED DATA ON TEMPERATURE AND CONDUCTIVITY FROM 25 STATIONS IN THE RHODE AND WEST RIVERS, MARYLAND. VERTICAL PROFILES FOR SALT BALANCE MODELING OF SYSTEM. DATA TO BE INCORPORATED INTO CBI DATA BANK BY 1975.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

GREGROY HAN 301-366-3300
MACAULAY HALL
JOHNS HOPKINS UNIVERSITY
BALTIMORE, MARYLAND, USA 21218

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 51.

DATA COLLECTED: JULY 1972 TO PRESENT

MONITORING PROJECTS:
DELAWARE RIVER ANADROMOUS FISHERIES STUDY - RESEVOIR RELEASE DATA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE, DELAWARE RIVER BASIN

ABSTRACT:
BIWEEKLY IDENTIFICATION AND COUNT OF FISH CAUGHT IN THE WEST BRANCH, EAST BRANCH AND UPPER DELAWARE RIVERS. DATA INCLUDES TEMPERATURE AND CURRENT OBSERVATIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOSEPH P. MILLER 609-397-0115
DELAWARE RIVER BASIN, ANADROMOUS FISHERIES STUDY
P.O. BOX 95
ROSEMONT, NEW JERSEY, USA 08556

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 80.

DATA COLLECTED: JULY 1972 TO PRESENT

MONITORING PROJECTS:
DELAWARE RIVER ANADROMOUS FISHERIES STUDY - JUVENILE AMERICAN SHAD
LOWER RIVER TRAWLING DATA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE, DELAWARE RIVER BASIN

ABSTRACT:
OTTER AND COBB TRAWL SAMPLES WERE TAKEN BIMONTHLY TO DETERMINE THE MOVEMENT OF JUVENILE ALOSIDS IN THE LOWER DELAWARE RIVER.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOSEPH P. MILLER 609-397-0115
DELAWARE RIVER BASIN, ANADROMOUS FISHERIES STUDY
P.O. BOX 95
ROSEMONT, NEW JSERSEY, USA 08556

188

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 84.

DATA COLLECTED: OCTOBER 1972 TO PRESENT

MONITORING PROJECTS:

SALINITY-TEMPERATURE OBSERVATIONS OFF VIRGINIA BEACH, VIRGINIA

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., VIRGINIA, VIRGINIA BEACH

ABSTRACT:

CURRENT EDDY AND SALINITY-TEMPERATURE STUDY OFF VIRGINIA BEACH, VIRGINIA ON DATA SHEETS AVAILABLE FROM OLD DOMINION UNIVERSITY. ON GOING STUDY STARTED OCTOBER 1972.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

RONALD JOHNSON 804-489-6000
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA, USA 23508

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 27.

DATA COLLECTED: JULY 1973 TO PRESENT

MONITORING PROJECTS:
EVALUATION OF CHANNELIZATION EFFECTS ON AQUATIC HABITAT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., MARYLAND, EASTERN SHORE

ABSTRACT:
EXTENSIVE DATA BASE ON 19 CHANNELIZED STREAMS INCLUDING WATER CHEMISTRY, BENTHOS AND FISHES. COMPARISONS ACROSS STREAMS BASED ON TIME SINCE CHANNELIZED. DETERMINATION OF RECOVERY TIME AND SEQUENCE OF BIOTA AND CHEMICAL FACTORS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
W. R. CARTER 301-269-5361
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 8.